## **SERVICE MANUAL**

## **AA-2D** chassis

MODEL	COMMANDER	<u>DEST.</u>	CHASSIS NO.
KV-27V22	RM-Y135A	US	SCC-K96R-A
KV-27V22	RM-Y135A	CND	SCC-K97N-A
KV-29V22T	RM-Y135A	TAIWAN	SCC-N28C-A
KV-29V36K	RM-Y149A	KOREAN	SCC-N37B-A
KV-29V76T	RM-Y137A	TAIWAN	SCC-N28D-A
KV-34V36K	RM-Y149A	KOREAN	SCC-N37C-A
KV-37V36T	RM-Y137A	TAIWAN	SCC-N28F-A

Note: Adjustment Manual for this model is published separately

	Adjustment Manual
Part No.	9-965-829-01





RM-Y137A

KV-37V36T





## SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorlysoldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced.
   Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion.Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

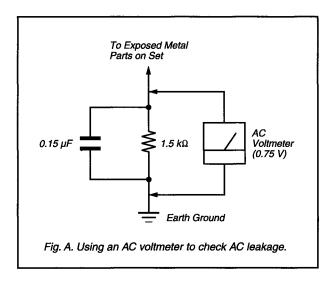
### LEAKAGE TEST

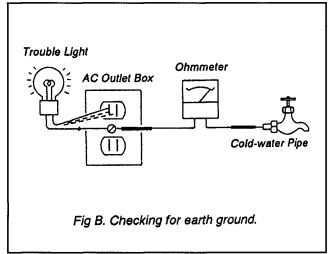
The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### **HOW TO FIND A GOOD EARTH GROUND**

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-l00 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)





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### **CAUTION!**

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

### **WARNING!!**

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

### **SAFETY-RELATED COMPONENT WARNING!!**

THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER **OPERATION IS SUSPECTED.** 

### **ATTENTION**

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

### **ATTENTION!!**

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

### ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE **△ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES** LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY, LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTI-FIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

VMC-810S/820S (not supplied)

AUDIO-R (red)
AUDIO-L (white)

0

133 E

Sable

Discourse of the control of the cont

# The instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

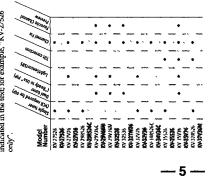
## **SECTION 1** GENERAL

## ■ ■ Welcome!

Thank you for purchasing the Sony Trinitron® Color IV. This manual is written for the models listed below. Before reading, check the model number on the rear of your TV.

Model KV-27S26 is used for illustration purposes. The screens displayed are for model KV-3SV36. Differences in operation features are indicated in the text for example, "KV-27S26

only).



## Precautions

## Operate the TV only on 120 V AC (except KV-29RS26C, 29V36C, 34RS26C,

Operate the TV only on 220 V AC (KV-29RS26C, 29V36C, 34RS26C, 34V36C

The plug is designed, for safety purposes, to fit in the wall outlet only one way, if you are unable to insert the plug fully into the outlet, contact your dealer (except KV-29RS26C, 29V36C, 34NS26C, 34V36C).

If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.

If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

## Installing

To prevent internal heat build-up, do not block the ventilation openings.

Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration

## Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV.

connect your new components, connect to This section will guide you through your initial set up. It will show you how to your anterna or cable, and connect any Connecting and Installing the TV. accessories.

This section will teach you the basic skills needed to operate your new TV. It will show you how to operate special functions Basic Set Up.

~

Using your New TV.
This section will show you how to begin using your new TV. It will show you how to use the AUTO SET UP feature, and how of the remote control.

This section will teach you how to access to use your remote control's features. Adjusting your Set Up (menus).

on-screen menus and adjust your TV's settings.

S-Link Cable

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

# Connecting and Installing the TV

## Making Connections Connector Types

You may find it necessary to use some of the

following connector types during set up.

For best picture quality, a cable TV system or outdoor antenna is recommended.

ä Connecting directly to cable or antenna

College EAC-66 U/V mixe (not supplied) 

75-ohm coaxial cable

¥. and 품

Ç

300-ohm twin lead cable

the cable found in your home. Newer homes will be equipped with standard coaxial cable (see A); older homes will probably have 300-ohm twin lead cable (see B); still other homes The connection you choose will depend on may contain both (see C).

Screw-on Type

Plug Type

Standard TV Cable and Antenna connector

Coaxial Cable



Align guides and press onto connection

Audio/Video Cable Conventional Audio/Video cable

High quality Video connector for enhanced picture quality

S Video Cable

300-ohm twin lead cable

untenna connector

## (Rear of TV) VHF/UHF VHF only Or OHF only Or VHF/UHF Press onto connection Yellow - Video White - Audio (Left) Red - Audio (Right) Sony Link connector (only available on Sony products) for simultaneous control of your components

## Connecting an antenna/cable TV system with a VCR

(signal)

75-ohm coaxial cable (not supplied)

VHF/UHF

CATV cable (unscrambled channnels)

Cable box

Z

KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 3TV36M only

Cable and antenna

TOCONVERTER

9

(Rear of TV)

Cable

Cable

Cable box

Some pay cable TV systems use scrambled or encoded signals that require a cable box\* to view all channels.

Most simple connection. Connection is made directly from the cable or antenna to the TV.

Cable or antenna

Connecting a cable box

For this set up, you can switch between scrambled

channels (through your cable box), and normal (CATV) charmels by pressing ANT on your

remote control.

2 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).\* Attach the coaxial connector from your cable or antenna to IN on your VCR.

Your Sony remote control can be programmed to operate your cable box (see page 26).

ΕÏΧ

selection through your cable box you should consider using the CHANNEL feature discussed on page 22.

If you will be controlling all channel

(Rear of TV)

CATV cable

following set up if your cable provider does not feature local channels that you are able to

receive using an antenna.

You may find it convenient to use the

Notes:

You cannot watch the signal through the "AUX" input as a window picture when using Picture-in-Picture (PIP).

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

If you are cornecting a cable box through the "ALIX" input and would like to switch between the "ALIX" and normal (CATV) input you should consider using the CHANINEL FIX feature discussed on page 22.

Some pay cable TV systems use scrambled or encoded signals requiring a cable box\* only for certain channels (e.g. HBO, SHOWTIME, etc.).

Select Cable or ANT mode by pressing ANT on the remote control.

KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only

Cable box and cable

TOCONVERTER

(No connection "TO CONVERTER" In this case)

P

Antenna cable

Note on DVD Connection:

• For the best picture quality, connect the DVD player directly to the TV. Refer to your DVD manual for detailed connection information.

- Tress onto connection

# Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.

(Rear of TV)

VCR must be connected and turned on to operate I (KV-27S38, 27V36, 29RS26, 29RS26C, 29V66M, 32S2, 32TW26, 34RS26C, 35S26, 37RS26 only).

Coaxial cable Š

2 Using AUDIO/VIDEO connections, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

3 Julyo Casarial connector, connect UUT on your VCR to VHF/UHF on your TV. 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.

## Connecting to an S Video equipped VCR (for optimum picture quality)

4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on

If you are connecting a monaural VCR, connect only the single audio output to the left input on your TV

SVIDEO AUDIO-R (red) AUDIO-L (white) · KAN RK-74A (not supplied YC-15V/30V (not supplied) 9 ď Coaxial cable Cable

VMC-810S/820S (not supplied

Satellite antenna cable

## Connecting a VCR and TV with a

- Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
  - 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your IY (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right). 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.

## Connecting to an S Video equipped VCR with a cable box

- (for optimum picture quality) 1-2 Perform as described above.
- Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).
  - 4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV.
- To view scrambled channels through your cable box, select VIDEO 1 by pressing TV/VIDEO on the remote control.

## Disconnect all power sources before making any connections. 000 (Rear of TV) Rear of TV) VMC-810S/820S (not supplied) RK-74A (not supplied) YC-15V/30V (not supplied) 0 VCR must be connected and turned on to operate PIP (KV-27526, 27V26, 28RS26, 28RS26C, 29V88M,32S26, 32TW26, 32V26, 34RS26C, 35S26, 37RS26 only). Ş ğ (O) SE Splitter (not supplied) Cable 1 A

# Connecting and Installing the TV (continued)

lect all power sources before making any connections.

7

For the highest picture quality, use S VIDEO instead of the yellow AUDIO/VIDEO cable. See your DBS manus! for more information.

## Connecting a DBS (Direct Broadcast Satellite) receiver

- Connect the cable from your satellite antenna to your DBS receiver.
- Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
  - Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

## Connecting a DBS (Direct Broadcast

- Satellite) receiver and a VCR
- Connect the cable from your satellite antenna to your DBS receiver. 2 Attach the coaxial connector from your cable or antenna to VHF/UHF-IN on your VCR.
  - Using a coaxial connector, connect VHF/UHF-OUT on your VCR to VHF/UHF on your TV.
- Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO CUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
  - Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- To view input from the DBS or VCR, select VIDEO 1 by pressing TV/VIDEO on the remote control.
- (Rear of TV) VMC-810S/820S (not supplied) 2 000 VMC-810S/820S (not supplied)

# Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.

(Rear of TV)

## Connecting two VCRs for tape editing using MONITOR OUT

Disconnect all power sources before making any connections.

Real of TV)

MONITOR OUT gives you the ability to use a second VCR to record a program being played KV-27V26, 27V36, 28V36C, 29V66M, 29V76M, 32V28, 32V36, 34V36C, 35V38, 35V76, 37V36M by the primary VCR or to perform tape editing and dubbing.

inputs (e.g. Tape-2, etc.) on your stereo (White-AUDIO Left, Red-AUDIO Right)

2 Set your stereo to the chosen Line input

and refer to page 20 of this manual for additional audio setup instructions.

For greater viewing pleasure, integrate your

home stereo into the system.

Connecting an audio system

Using AUDIO connectors, connect AUDIO

OUT on your TV to one of the unused Line

9 (A)

using the setup instructions on page 4 of Connect the VCR intended for playback

Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

VMC-810S/820S (not suppl

VMC-810S/820S (not supplied)

# indicates direction of signal

AV outputs

VMC-810S/820S (not supplied)

(Rear of KV-27V36)

AUDIO-R (red)

VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver.

Using AUDIO/VIDEO connectors, connect

For greater viewing pleasure, connect your

KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76, 37V36M only

Connecting an AV receiver

Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and

VIDEO IN on your AV receiver.

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1).
See CHANNEL FIX, page 22.

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the TV;
   if VCR LINE OUT is connected to TV
   VIDEO IN, do not connect the TV
   MONITOR OUT jacks to the VCR LINE
   INPUT (see right). Doing so will cause
   program interference and other viewing
   problems.

AV inputs

VMC-810S/820S (not sup)

AUDIO-L (white)

0

## Using the S-Link function

N. V.A.T.A. 27.VS, 200-02, 201-084. 2017BM, 22.VZB, 22.VSS, 24VSSC, 28VSS, 28VTB, 27VSBM only 2012 Soft at 50-09 innovation designed to make your Sonty components work together. It allows you to automatically switch the TV dithut mode for viction when you press FLAT for your Sonty E. Link VCR. It also allows you to turn the VCR and IT off at the same time with the SYSTEM OFF button.

1 Connect your VCR using the setup instructions on page 4 of this manual.
2 Using an S-Link connector, connect the S-LINK stakes on your VCR and TV. Ensure that both ends are seated firmly and that the TV S-LINK connector is in the same now as the AUDIO/VIDEO connectors.

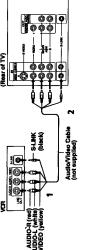
## Connecting a camcorder

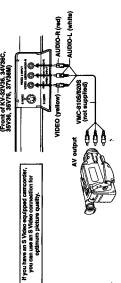
KV-27V26, 27V36, 29V36C, 29V68M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only This connection is convenient for viewing a picture directly from your camcorder.

Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camoorder to AUDIO and VIDEO IN on the front panel of your TY (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

If you are connecting a monoaural cancorder, connect only the single audio output to the left input on your TV.

Disconnect all power sources before making any connections.





# (Front of KV-32V36, 34V38C,

35V36, 35V76, 37V36M)		VIDEO (yellow)—	AV output VMC-8105/8205 (white)	<b>.</b>
	an S Video equipped camcorder, use an S Video connection for pdmum picture quality.		N P P P P P P P P P P P P P P P P P P P	

Connecting and Installing the TV (continued)

Confirm that all parts are included before beginning assembly. If any parts are missing contact your dealer.

Follow these instructions to install the glass door and adjust the shelf. KV-32TW26 and KV-35V76 only

2 Attach the top hings B to the right side of the glass door lighten the screws snugly, but do not overtighten. Attach the plate pad D to the left side and push the plate over the plate pad.

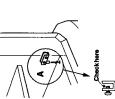
## installing the glass door

interfere with the proper installation of the hinge to the glass door, and then insert the hinge into the hole located at the bottom right side of cabinet. Check that the projection of the screw through the bottom hinge A does not

**...** \_

0-0-

**.**]• 8



Push here to close. To open, push again.

B

A Bottom hinge B Top hinge C Screw 4x4 D Plate pad F Metal pm

Parts List

2

Plate

## Using the remote control Select buttons

On Line Help/Instructions



Several menu windows will provide prompts and instructions to assist you in navigating through the different functions. When presented, as these to supplement the instructions in this manual.



The supplied remote control has select buttons which allow for movement of the or-screen selector in four directions. Pressing on the edge of the select buttons will cause the selector to mov in the selected direction. Pressing the center of the select buttons  $^{\prime\prime}$   $\mathbb{T}_{m}$  will activate the selected time.

## Adjusting sliders

When menu items present a slider ( ■ → or → ), use the select buttons ( → or → ) to adjust the setting.

## Basic Set up

Inserting batteries

3 insert the shelf, ensuring that the pin supports are seated in the grooves on the " ; bottom side of the shelf.

1 Press the upper part of the temporary shelf supports and remove the shelf. Adjusting the shelf

3 Push the top glass door hinge into the top right bushing and gently slide the glass door into the bottom hinge. Adjust the glass door until level, and tighten the

hinge screws.

## Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.





Notes:

Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.

2 Insert the metal pin shelf supports (2 each

- Handle the remote control with care.

  Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. See page 24.

## 2

Ξ

## Using your New TV

## Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels. The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROCRAM.

The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 22.

- Tips 💸
- Perform this function during the day, with the antenna and /occable property connected, to cross methat all available channels will be broadcasting and receivable.
  - After using EASYSETUP GUIDE you will still have the option of adjusting any of the system settings, like easing drannels, through the SETUP menu (page 22).
    - The TV must be set to TV input to execute AUTO PROCRAM Press ANT until the charmel number appears.
- Ifyour cable or antenna is connected to AUX, from press ANT until "AUX" appears rect to the Channel manner. (KV-2754, 27V34, 29V364, 29X764, 3256, 34V364, 3556, 35V36, 35V36, 35V76, 37V36M only)

Using the buttons on the front of the TV: ST. TAYOUR -- NAUMA: -- COMMING. NOWING

AUTO PROGRAM

For KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76 and 37V36M, the control buttons are located on the top of the TV.

Press POWER to turn on the TV. The EASY SETUP GUIDE screen appears.



ENGLISH [CH+]
AUTO SET UP [VOL-]
DEMO Trivided
First phease consect
the antients
Press [SET UP] to eart

(Except Canadian models)
Press CHANNEL + to select English
screens or CHANNEL - to select Spanish

Press VOLUME - to continue or TV/VIDEO for a DEMO of functions and menus.

m

[•]

starts scanning and presetting channels automatically. When all the receivable channels are stored, the lowest numbered channel is displayed. If the TV receives cable TV charmels, CABLE is set ON automatically. Press Volume – to restore factory settings ("CONTINUE TO AUTO PROGRAM?" will appear on the screen. Press CH+ to execute or CH+ to exit. Press CHANNEL + or CHANNEL - to select a language. "AUTO PROGRAM" appears and the TV To perform AUTO SET UP again Press SET UP.

Press SET UP to exit.

MUTING FREEZE

VOL +/-₹ ₩

JUMP

When you perform AUTO PROGRAM, your CHANNEL BLOCK settings will be CHANNEL BLOCK settings will be erased.

# Using your New TV (continued)

## Watching the TV

All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.

TV (FUNCTION) TV POWER (e)



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE

following chart will REMOTE, not the buttons found on THIS I.I.	REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART
Activates the remote control for use with the TV.	
Turns the TV on and off. If "VIDEO" appears on the screen, press TV/VIDEO or ANT so that a channel number appears.	press TV/VIDEO
Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel (10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection.	nel (for example, e after 2 seconds,
Press to scan through the channels (+ up or - down).	
Press to adjust the volume (+ up or - down).	
Press to alternate or jump back and forth between two channels. You can only jump between the last two channels that have been selected with the 0-9 keys.	nels. You can only with the 0-9 keys.
Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.	en). Press again
Press to <i>freeze</i> the window picture while in PIP mode. If you are not in PIP mode, pressing FREEZE will cause the main picture to freeze into a window picture. Great for copying down phone numbers, addresses, recipes, etc.	Lare not in PIP ze into a window , recipes, etc.

4

2

# Using your New TV (continued)

## time — PIP Watching two programs at one

CAPTION

Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90), that you want the TV to remain on before shuting off automatically. Cancel by pressing until "SLEEP OFF" appears.

DISPLAY

SLEEP

to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture. This means that two esparate tumers must be available to provide the two signals. The Picture-in-Picture (PIP) feature allows you

Input-source mode or TV channel for the window picture

No.

Input-source mode or TV channel for the main picture

The sound of the main picture is received.

Certain models (KV-27S26, 27V26, 29RS26, 22RS26, 22VSS61, 22VSS26, 22VSS61, 32SS26, 32TW26, 34RS26C, 35S26, 32WS26 only) are equipped with a single tuner. This simply means that a VCR must be connected and turned on for PIP to operate.

Some programs are broadcast with Caption Vision. To display Caption Vision, select CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the ment, then press DISPLAY until Caption Vision is displayed.

Press repeatedly to step through available displays:

Status
Charnel number, current time, channel caption (if set), and MTS mode (if SAP is selected) are displayed. SAP indication disappears after three seconds.

XDS (Extended Data Service) shows a network name, program name, program type program name, coprogram type program length, call letters, and time of the show if the caption Vision will be displayed on the screen if the broadcaster offers this service.

Tip 💸

CC1, CC2, CC3, or CC4 shows you a caption, that is, a printed version of the dalogue or sound effects of a program. (The mode should be set to CC1 for most programs) TEXT, TEXT2, TEXT3, or TEXT4 shows you text, that is, information presented using either half or the whole screen, it is not usually related to the

Toensure a correct single tuner PIP connection (KV-27S26, 27V26, 29RS26, 29KS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only), make sure the following list of simple connections is complete before

A cable or antenna is connected to the VCR

The VCR is connected to your TV

The VCR is turned on

tion, seepage 3-5)

for detailed connection inform

You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.

HEFERTO THEILUSTRATIONOF

THEREMOTE CONTROL ON THE
INSIDE FRONT COVER OF THIS
MANULAS YOU REVIEW THIS
CHART

3	Use the Yellow Labeled Buttons for PIP Operations.
<b>₫</b> ( <b>1</b> )	PIP Press once to display the window picture (1/9 size).  Press again to reduce the size of the window picture (1/16 size).  Press a third time to remove the window picture.
TVAVIDEO	Press repeatedly to step through available video inputs:  "Y Video 2, Ind Video 2, and Video 8 (NC-YO-6); ZNYS6, SVSBC, SSVSBC, SVSBCM, 28Y7RM, 32V7RM, 32V7RM

Press to change the VHF(JUHF input to the AUX input (KV-27/39, 27V38, 29V36C, 28V38, 28V78, 38V38, 38V38, 3VV38M only). For detailed connection information, see "Cable box and cable" or "Cable and antennal" on page 3.

SYSTEM OFF

¥

Press repeatedly to step trucking haveline video inputs. 29RS28G, 32S28G, 14V Video with Video 2 ft (V.V.27S8G, 27S38G, 29RS28G, 32SS28G, 32TW28G, 34RS28G, 34SS28G, 34SS26G, 34SS28G, 34SS26G, 34SS26G,

service. (see right)
To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. "DISPLAY OFF" disappears after three seconds.

program.

Poor reception of TV programs can cause errors in Capation Vision and XDS.
Captions may appear with a white box or other errors instead of intended text.
 XDS, Caption Vision, and the status display cannot be used at the same time.

Press this button to cycle through the Multi-channel TV Sound (MTS) options. (page 20) KV-Z7V26, Z7V36, 29V38C, 29V86M, 29V78M, 32V26, 32V36, 34V36C, 32V36, 35V75, 37V38M unit with the chipment connected with S-Link and Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antienna or AUX, whicheven was last used.

MTS/GUIDE

5

TWYTR  Press to change the TV channel in the window picture (* to increase the channel number and – to decrease).  For models RV.27556 27V26, 29R326, 29R326C, 29V56M, 3256. 32TW26, 34R326C, 35256, and 37R326, if you are watching the video input in the window picture, you must press VTR (FUNCTION), then use the main CH ++
--

## STANDARD: Select to receive a standard picture. MOVIE: Select to receive a finely detailed picture. SPORTS: Select to receive a vivid, bright picture. PICTURE Picture Adjustment Picture Adjustment COLOR 불 For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18. Using the VIDEO menu WORDE STANDARD PICTURE OFFICE STANDARD OFFICE STANDARD OFFICE STANDARD IONTRESS IONT

(KV-ZTV26, 2TV36, 28V36C, 28V68M, 29V78M, 32V26, 32V36, 34V36C, 35V36, 38V76, 37V38M only)
ON: TV automatically adjusts the brightness of the picture according to the brightness of the room.
OFF: Brightness remains at preset value. Adjust silder left (cursor down) to decrease picture contrast and soften the color Adjust slider right (cursor up) to increase picture contrast and create more vivid color. Adjust slider left (cursor down) to decrease the green tones. Adjust slider right (cursor up) to increase the green tones. Adjust slider left (cursor down) to decrease color intensity. Adjust slider right (cursor up) to increase color intensity. Adjust slider left (cursor down) to darken the picture. Adjust slider right (cursor up) to brighten the picture. Adjust slider left (cursor down) to soften the picture. Adjust slider right (cursor up) to sharpen the picture. BRIGHTNESS
Picture Adjustment SHARPNESS Picture Adjustment LIGHTSENSOR
Picture Adjustment

To select the VIDEO III menu:

Highlight III

Display | NEW ()

# Adjusting your SET UP (menus)

## Learning menu selection

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify

Press the MENU button.

The main menu appears.



2 Press the select buttons (♦ or ♦) to highlight the desired menu and press ⊕ to activate it.

(a) SET UP.

SCHAMEL SE

CABLE OFF CHANNEL FIX OFF AUTO PROGRAM CHANNEL ERASE/ADD CHANNEL CAPTION DMENU Use 100

Options for your selection will be displayed. CHANNEL SET UP 

5 Make your selection and press ← to activate it. 3 Press the select buttons (♦ or ♦) to select the desired option.

The previous screen will reappear.

SET UP

CHANNEL BLOCK

CHANNEL

BST UP

2 FCHANNEL BICK

2 FCHANNEL BICK

3 FCHANNEL BICK

CONTROLLED

CONTROL

4 Press .

When you are done with changes to the selected menu, choose MRNU to return to the main menu. Once you have completed all menu corrections, press MRNU on the remote control to exit the menu screens. Pressing MENU on the remote control will allow you to exit from the menus.

# Adjusting your SET UP (menus) (continued)

8

1

JUSING the AUDIO menu

## MANOR BISSON BIS

Adjust slider left (cursor down) to decrease higher pitched sounds. Adjust slider right (cursor up) to increase higher pitched sounds.

Highlight J. Select To select the AUDIO J. menu:

Press RESET on the remote control while the AUDIO menu is displayed. To restore the factory settings

Press RESET on the remote control while the VIDEO menu is displayed.

To restore the factory settings

Press (1) for direct selection of an BFFECT setting. Þ Ţį

SURROUND: Simulates theater quality sound (only for stereo programs), (f/v.27526, 27536) and proceedings of the control of the ON: Select to listen to the sound from the TV speakers and a separate stereo system.

OFF: Select to turn off the TV speakers and listen to the TV's sound only through excitnal audio system speakers. STEREC. Select for stereo recoption when viewing a program broadcast in stereo.

SAF: Select to lesten to illustratura broadcast, (non-SAP programs will be muted when this feature is selected).

MOND: Select for more reception, (use to reduce noise during stereo broadcast durick WITS accesses: Press MITS or your remode to cycle through the MITS options as follows: (STEREC). Adjust slider left (cursor down) to emphasize left speaker volume. Adjust slider right (cursor up) to emphasize nght speaker volume. Adjust slider left (cursor down) to decrease low pitched sounds. Adjust slider right (cursor up) to increase low pitched sounds. EFFECT
Customize sound
effect based on the
program's audio type SPEAKER Custom selection of audio output source BALANCE Sound Adjustment MTS
Enjoy stereo,
bilingual and mono
programs. BASS Sound Adrustment

AUDIO OUT can only be set when speakers are set to OFF.

\*\*HARBAELS: Stoud output harbas according the FIT yealthies, Volume, Bass.,
Treble, and Balance are adjusted through the TV. Useful when you want to use
your remote to cortrol the output of a separate audio system.

FIXED: Sound output is held are fixed level, Volume, Bass, Treble, and Balance are fixed
to the faxioty settings. Volume adjustments are made through your sterior. AUDIO OUT
Easy control of
volume adjustments

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

Display 1 <u>P</u>

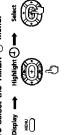
19

20



After setting the clock you can use the timer to turn the TV on and off.

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.



Tip " Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

pressing + or + and then (E.)

TO CANCEL THE THER FUNCTION, PRESS RESET.

TO CANCEL THE THER FUNCTION, PRESS RESET.

TO CANCEL THE OF the Select that to select the desired charnel. Press (E.) to select.

The time is now set. The TIMER inclusion on your TV will be it.

Press MENU to eat! When you perform AUTO PROGRAM, all TIMER settings will be erased. SUN 1200 AM Use SEE Exters DMENU JARNENT TIME SET Use (IIII E Spring: Select YES to compensate for Daylight Saving Time. The current time automatically moves one hour ahead. 1 Press ♦ or ♦ on the select buttons until the desired day (MON-SUN) or range of days (EVERY Sun-Sat or 1 Press + or + on the select buttons until the current day (MONEVI) is displayed. Press € Dr 5 esect.
2 Press + or + on the select buttons until the current hour (01-12) and AMPM is displayed. Press € To EVEHY Mon-Fri) is displayed. Press 

the select.

2 Indicate the time (hours then milrules) that you want the TV to turn or by pressing 

the trip to turn or by pressing 

set the time duration (maximum of 6 hours) by Press ◆ or ◆ on the select buttons until the current Fall: Select NO at the end of Daylight Saving Time. The current time moves back one hour. The Clock has now started. Press MENU to exit. CURRENT TIME SET window will appear. ON/OFF TIMER window will appear. minute (00-59) is displayed. 4 Press (+). Automatically adjusts the time ON/OFF TIMER Wake up or scheduled wewing. CURRENT
TIME SET
Necessary for the
TIMER.

📰 🕷 Adjusting your SET UP (menus) (continued)

CHANNEL SET UP Basic set up options for viewing Using the SET UP menu

B SET UP
CHANNEL SET UP
CHANNEL BLOCK
J FAVORTE CHANNEL
(1) LANGLAGE ENGLISH
ILT COORRECTION 0
THE COORRECTION 0

With the CHANNEL SET UP window open:

1 Use 4 or to select the feature you want to change.

1 Use 4 or to select the feature you want to change.

2 PRESE (\*\*) to select the feature you want to change.

CABLE: Select ON if your TV is connected to a cable system.

CABLE: Select ON if your TV is connected to a cable system.

CAUTO SET UP will select CABLE to ON automatically when it is a min or cable to the connected to the VIFfUH\* frout and you do not want to connected to ALX mode. Once the setting is made you will not be the Use the TV In confined to NATI. You choose when a cable box is connected to ALX and a cable or similar to the the UP or connected to ALX mode. Once the setting is made you will not be the Use the TV In connected to ALX mode. Once the setting is made you will not be the Use the TV In connected to ALX mode. Once the setting is made you will not be the Use the TV In connected to ALX mode. Once the setting is made you will not be the Use the TV In connected to ALX mode. Once the setting is connected to ALX and a cable or such the presence of an advised setting and could not will not prove the top the connected to ALX mode. Once the connected to ALX and a cable or such the beneant does outset, and you want IV provided to the VIVI will will up be be the bowth the beneant does outset.

AUTO PROGRAMI: Instruct the TV to automatically program all receivable channels.

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

Select

To select the SET UP 🖶 menu: Display 🗪 Highlight 🚰 📥 Sele

CHANNEL CAPTON. With the CHANNEL CAPTON window open:

CHANNEL CAPTON. With the CHANNEL CAPTON window open:

COMMENCED:

1 Pross & Town of the select buttons to select the desired channel, and press & gam.

1 Pross & Channel, and press & gam.

2 Pross & Channel, and press & Gapton, press RESET.

If any menu items are "grayed out", press the ANT button on your remote so that a channel Favorite channel feature is not available for the AUX input. 4 number appears. 22

🌃 🕷 Operating video equipment

General Electric Gov Video Goldstar Hitachi Instant Replay JVC Kenwood Karwood All (Gears) 3 Magnavox Magnavox Marta Memorex Minolta Mitsubishi/MGA Multitech 301, 302, 303 338, 344 314, 337 330, 343 319, 317 309, 308 315, 302, 332 315, 302, 332 315, 302, 332 Code You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor. Setting the manufacturer's 3 Use the 0-9 buttons to key in the manufacturer's code number from the VCR manufacturer code 2 Press VTR (FUNCTION). Sony
Awa
Audinal (M. Wards)
Audio Dynamic
Bel & Howel (M. Wards)
Bel & Caron
Caron
Critzen
Cri Press CODE SET. following chart. Press ENTER. Manufacturer numbers

MDP manufacturer code Manufacturer Sony Kenwood Magnavox Marantz Mitsubishi Panasonic numbers 314, 312, 300 314, 320, 314, 317, 318, 314 329, 344, 365, 334 329, 344, 365, 334 306, 304, 305, 304 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 337 314, 336, 317 314, 336, 317 316, 316, 317 316, 316, 317 316, 316, 317 316, 316, 317 317, 318, 317, 317, 319, 319, 319 317, 313, 310, 329 

Code 701 707 703 702 702 1, 710 703

E E PREVIEW ON 125 ESPN 14 ABC 14 ABC 16 HBO 5 CBC Ent WIDEO 1 VIDEO 1 VIDEO 2 VIDEO 2 VIDEO 3 VIDEO 3 COMENU AVORITE CHANNE PREVIEW ON PREVIEW ON STATE 2 OH You will be able to block two channels. With the CHANNEL BLOCK window open:
1 Select 1 or 2 and press (+).
2 Press + or + on the select buttons to display the channel you want to block.
3 Press (+) to activate.
3 Press (+) to activate.
4 Press (+) to activate.
5 Press (+) to activate.
6 Press (+) to activate.
7 Press (+) to activate.
7 Press (+) to activate.
7 Press (+) to activate.
8 Press (+) to activate.
9 Press (+) to a This feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 Na sv HS).

I Press 4 or 4 or the select buildness to select the input mode you want to label and press ...

2 Press 4 or 4 to select the label and press ...

VIDEO LABEL Options ...

VIDE Use this feature to correct any tilt of the picture KV-35S26, 35S38, 35V36, 35R356, 37R326, 37V36M only. Press  $\bullet$  or  $\bullet$  on the select buttors to select a correction between +5 and -5 and press +. (Except Canadian models) Select from available languages to cause all menus to appear in your language of choice. TILT CORRECTION
Adjust your picture. VIDEO LABEL
Easy recognition of
connected equipment
(e.g. DBS, VHS, etc.). CHANNEL BLOCK Prevent child access to certain channels. FAVORITE
CHANNEL
Quick access to
favorte channels LANGUAGE

Operating a VCR	Buttons on the	Operating an MDP	Buttons on the
	remote control		remote control
To tum on or off	Press VTR (POWER).	To turn on or off	Press VTR (POWER).
To select a channel	Press the 0 - 9 buttons.	To play	Press the
directly		To stop	Press
To change	Press CH +/	To pause	Press III.
channels			To resume normal
To record	Press > while pressing .		píayback, press again.
	First release 💌, then	To search the picture	Keep pressing ▶▶ or ◆◆
	release .	forward or backward	during playback.
To play	Press .		To resume normal
To stop	Press .		playback, release the
To fast forward	Press **		button.
To rewind the tape	Press ←	To search the	Press CH +/
To pause	Press III.	backward	
	To resume normal playback,		
	press again.		
To search the	Press ▶▶ or ▲▲ during		
picture forward or	playback.		
backward	To resume normal playback,		
	release the button.		
To change input	Press TV/VTR.		
mode			

301 (preset code for the supplied remote control)

302

8 mm VCR

Beta, ED Beta VCRs 303

The code numbers for Sony equipment are assigned at

hefactory as follows: VHS VCR

Insome rare cases, you may not be able to operate you mon-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.

rips 🗳

When you remove the batteries, the code number may revert to the factory setting.

# Operating a cable box or DBS receiver

remo	Time I have
ŧ	
=	•
ø	
remot	
the	
ming	

Program

702, 709 706, 709 706 705

Pioneer RCA Sanyo Sharp Yamaha

 First, try repeating the setup procedures using the other codes listed for your You can program the supplied remote control to operate a cable box or DBS receiver.

Tips 💸

If more than one code number is listed, try entering them one by one until you come to the correct code for If you enter a new codenumber, the codenumber you previously entered at that setting is erased. yourequipment.

manufacturer's code number from the following chart.

4 Press ENTER.

2 Press DBS/CABLE (FUNCTION). 3 Use the 0-9 buttons to key in the

1 Press CODE SET.

Code number 722, 232, 226, 225, 226, 201, 202, 203, 204, 205, 206, 207, 208, 218, 229, 221, 226, 215, 215, 215, 215, 213, 212, 213

Wheneveryouremove the batteries—to replace them, for example—if too much time is taken, the codenumbers may revert to the factory setting and

801 (preset code for remote control) Code number

802

RCA/PROSCAN

General Electric

## Manufacturer code numbers Manufacturer (cable box) ote control doesn't work

equipment.

Hamlin/Regal Jerrold/G. I.

Insome tare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control

Scientific Atlanta

Zenith

Panasonic Pioneer

To operate the TV

Manufacturer code numbers

(DBS receiver)

Manufacturer

Refer to the operating instructions that come with the equipment. For more details on operating the Press TV (FUNCTION). Then use the TV control buttons to control the TV. cable box or DBS receiver

## Troubleshooting (continued)

Black and white programs cannot be seen in color.

Poor or no picture (screen lit), good sound

Adjust PICTURE in the VIDEO menu.

Adjust BRIGHTNESS in the VIDEO menu.

Cannot Operate Single-Tuner PIP (KV-27s2s, 27V2s, 29RS2s, 29RS2s, 29RS2s, 32TW2s, 34RS2sC, 35S2s, 37RS2s only)

**Froubleshooting** 

Troubleshooting

Check that cable is connected to the VCR, and the VCR is turned on. Check that the VCR is connected to the TV.

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

Make sure CABLE is OFF in the SET UP

Only snow and noise appear on the screen

• Check the CABLE setting in the SET UP
menu. (page 22)

 Make sure the channel is broadcasting programs.
Press ANT to change the input mode.
(page 15)

Check the LIGHTSENSOR setting in the VIDEO menu. (page 19)

Operate with the buttons on the TV and the remote control.

Make sure the power cord is plugged in.

No picture (screen not lit), no sound

Remove objects from the front of TV.

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

Check antenna/cable connections.

Check the antenna/cable connections

## Remote control does not operate

Press TV (FUNCTION) when operating your TV.

Make sure the TV's power cord is connected securely to the wall outlet.

Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).

Check the S-Link connection. (page 4,5)

Cannot gain enough volume when using a cable box

Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the TV's volume.

TV is fixed to one channel

## Try turning CHANNEL FIX off. (see page 22)

Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (page 22)

To reset the TV: First, turn the TV on.
Then, while pressing the RESET key on
the remote control, press the POWER Key
on the TV. The TV will turn itself off, then
bask on. When the TV turns on again, all
settings will be reset, and the EASY
SETUP GUIDE will appear.

IV malfunctions when using the S-Link function (KV-27V28, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)

 Check the S-Link connection. (page 4,5) Make sure the TV's power cord is connected securely to the wall outlet.

## Cannot receive upper channels (UHF) when using an antenna

Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22)

## Cannot receive any channels when using cable TV

Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22) Make sure CABLE is ON in the SET UP

Batteries could be weak. Replace the batteries.

Move the TV away from noise sources such as cars, neon signs, or hair-dryers.

Dotted lines or stripes

Press MUTING so that "MUTING" disappears from the screen. (page 14)

Good picture, no sound

Check the MTS setting in the AUDIO menu. (page 20)

Adjust the antenna.

Double images or ghosts

Make sure SPEAKER is set to ON in the AUDIO menu. (page 20)

Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO1, 2, or 3.

Replace the batteries with new ones if they

Insert the batteries in the remote control with the correct polarity.

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

Locate the TV at least 3-4 feet away from

28

## 92 25

If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly.

Cannot operate menu

Adjust the COLOR in the VIDEO menu. (page 19)

No color

Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13) Try another channel. It could be station trouble.

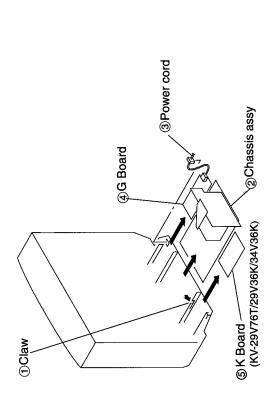
## <del>--- 11 --</del>

SECTION 2 DISASSEMBLY

**4**Thirteen screws Two screws -(1) Two screws 2-1-2. REAR COVER AND SPEAKER REMOVAL (KV-37V36T only) ⑤ Eight screws ②Two rear brackets (Speaker(L) Speaker(R) ②Eleven screws Two screws Rear cover Θ Speaker box assy (L) 2-1-1. REAR COVER REMOVAL (except KV-37V36T) ⑤Speaker box assy (R)

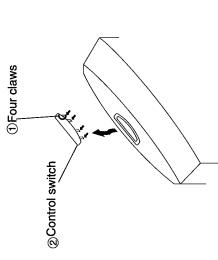
# **CHASSIS ASSY REMOVAL**

# 2-3. SERVICE POSITION



## G BOARD A BOARD

# 2-4. CONTROL SWITCH REMOVAL (KV-29V36K/29V76T)34V36K/37V36T)



## (KV-27V22/29V22T/29V36K/29V76T) 2-5-1. PICTURE TUBE REMOVAL

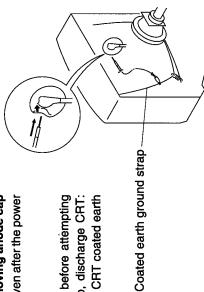
2-5-2. PICTURE TUBE REMOVAL

(KV-34V36K)

# H.V. remains in the CRT even after the power

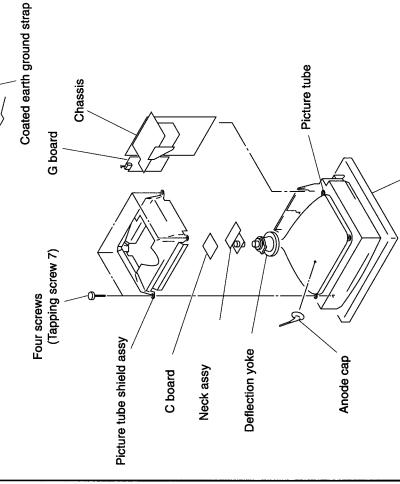
is disconnected.

To avoid electrical shock before attempting Short between anode and CRT coated earth to remove the anode cap, discharge CRT: ground strap.



ground strap.

## To avoid electrical shock, remove the anode Short between anode and CRT coated earth make certain the H.V. remains in the CRT cap before attempting to discharge CRT: WARNING: Before removing anode cap, even after the power is disconnected.



(KV-29V36K/29V76T)

K Board

(KV-29V36K/29V76T)

**Deflection yoke** 

Neck Assy

Degaussing coil

C board

Tension spring (B)

(Tapping screw 7)

Four screws

Cushion

Cushion

Picture tube

Anode cap

# WARNING: Before removing anode cap

Claw

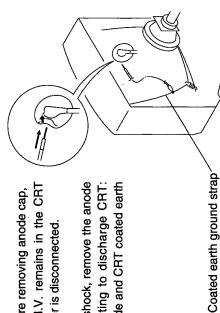
Chassis assy

G board

Two DGC holders (M)

## 2-5-3. PICTURE TUBE REMOVAL (KV-37V36T)

make certain the H.V. remains in the CRT WARNING: Before removing anode cap, even after the power is disconnected. To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.

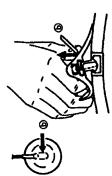


# REMOVAL OF THE ANODE-CAP

NOTE: Short circuit the anode of the picture tubeand the anode cap to the metal chassis CRT shield or carbon painted on the CRT, after removing the anode.

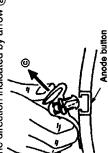
## REMOVAL PROCEDURES





② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow 6





ber cap and pulling it in the direction of cap can be removed by turning the rub-③ When one side of the rubber cap separates from the anode button, the anodearrow ©.

# HOW TO HANDLE AN ANODE-CAP

Tension spring (B)

Two Degaussing

coil holders

(Tapping screw)

Four screw

Deflection yoke

Neck assy

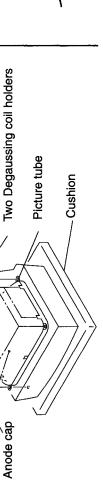
C board

/ Claw

- (1) Do not use sharp objects which may cause damage to the surface of the anode-cap.
   (2) Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material
  - fitting called a shatter-hook terminal is built into the rubber.
- 3 Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.







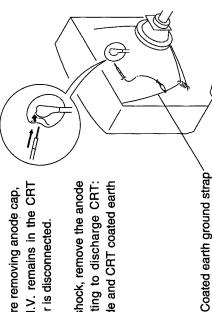
Degaussing coil

Chassis assy

G board

## 2-5-3. PICTURE TUBE REMOVAL (KV-37V36T)

make certain the H.V. remains in the CRT WARNING: Before removing anode cap, even after the power is disconnected. To avoid electrical shock, remove the anode Short between anode and CRT coated earth cap before attempting to discharge CRT: ground strap.

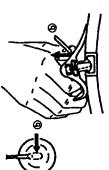


# REMOVAL OF THE ANODE-CAP

NOTE: Short circuit the anode of the picture tubeand the anode cap to the metal chassis CRT shield or carbon painted on the CRT, after removing the anode.

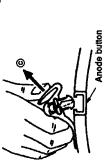
## REMOVAL PROCEDURES





① Turn up one side of the rubber cap in the direction indicated by arrow (a).

② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow (b).



ber cap and pulling it in the direction of cap can be removed by turning the rubrates from the anode button, the anode-③ When one side of the rubber cap sepaarrow ©.

# HOW TO HANDLE AN ANODE-CAP

Tension spring (B)

Two Degaussing

coil holders

(Tapping screw)

Four screw

Anode cáp

Deflection yoke.

Neck assy

C board

- ① Do not use sharp objects which may cause damage to the surface of the anode-cap.
   ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material
  - fitting called a shatter-hook terminal is built into the rubber.
- Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber **@**







Two Degaussing coil holders

Claw

Picture tube

Cushion

Degaussing coil

Chassis assy

G board

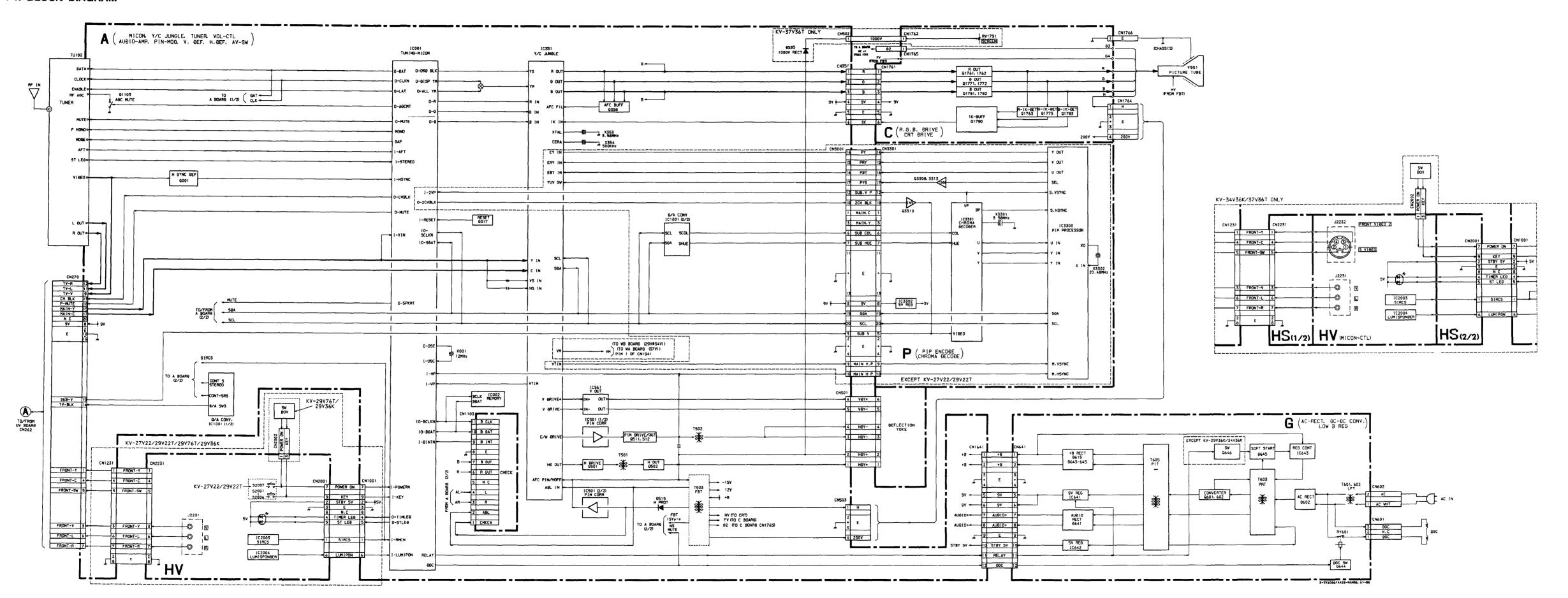
# SECTION 3 SAFETY RELATED ADJUSTMENTS

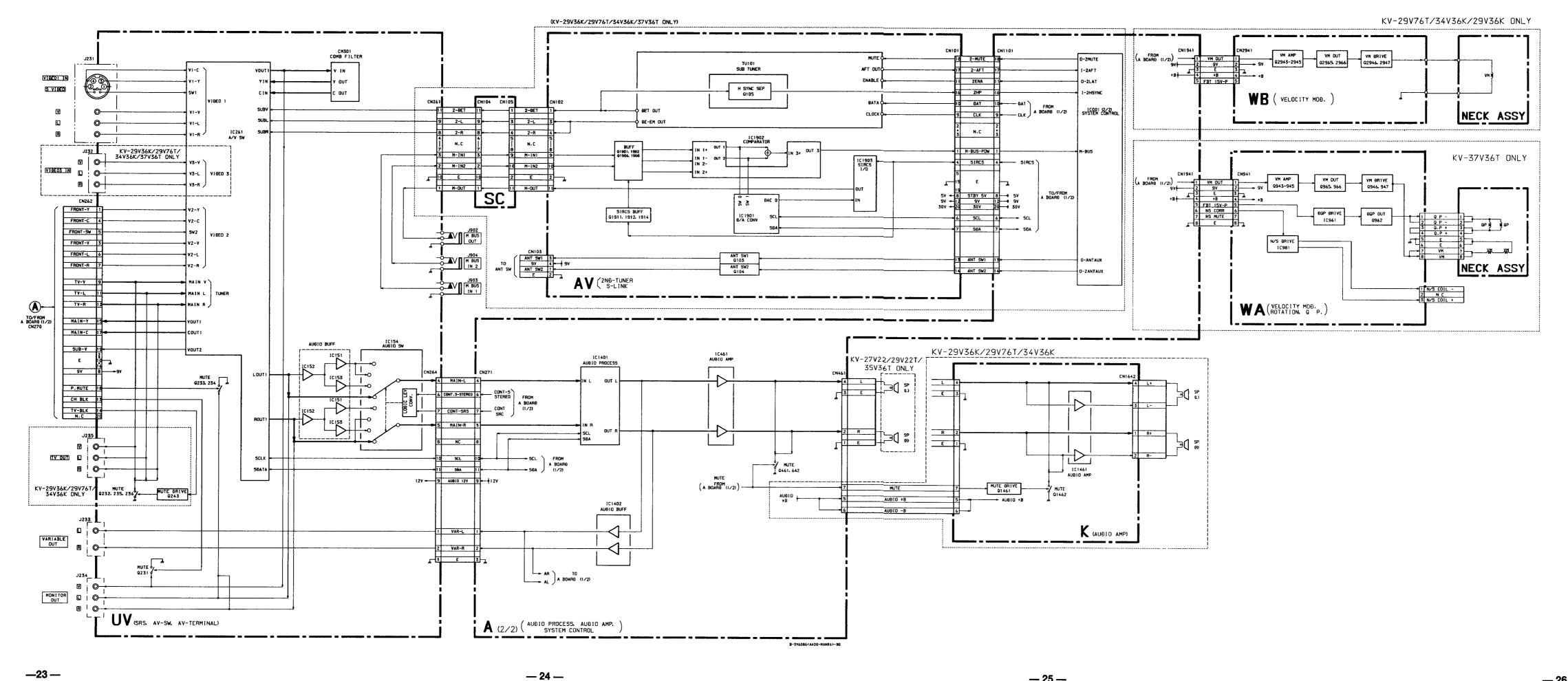
	ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
M RE	M RESISTOR CONFIRMATION METHOD ( HOLD-DOWN CONFIRMATION) AND READJUSTMENTS		✓ marked parts   A Board	<b>X</b> R530,531	A BOARD - CONDUCTOR SIDE - digital multimeter
The fol	The following adjustments should always be performed when		IC351,IC501 D519,D520,D521,		004
replacio	replacing the components marked with <b>I</b> on the A and G Board		C531,C532,R387,		
Hold-c	scrictian charge and selections (Hold-down operation confirmation)		K529,K530,K531 R532,R533,R550,T503		
Step 1			<u>G Board</u> IC643. R661		R531 R530 TP85 TS03
	reparation before confirmation:  a) Turn the POWER switch ON, input a white signal,  and set the PICTI IRE and RRIGHTNESS controls to	White Picture	TP85 (H. PROT)	PICTURE	Some own or service of the service o
	maximum.			BRIGHTNESS	ammeter
	b) Confirm that the voltage at the check terminal of	Digital multimeter		maximum }	DC Power Supply 9.
	TP85 is more than 18.0 VDC (34 and 37 in.) or 21.0 VDC (27/29 in.) when the set is operating normally				
	$(120 \pm 2.0 \text{ VAC})$ or $(220 \pm 2.0 \text{ NAC}$ for KV-29V36K/ 34V36K only)				[Check Condition] Step 2
Step 2				TS03	1760 ± 100 µA (27/29 in.)
1	Input a white signal and verify that IABL is within the specified range.	White Picture		anmeter 3.0mA	2.100 $\pm$ 100 $\mu$ A (34 and 37 in.) 120 $\pm$ 30 VAC (Power Supply) 220 $\pm$ 30 VAC (Power Supply)
Step 3				ABL: (A) -	(KV-29V36K/34V36K only)
•	Record the voltage between TP85 and ground.			IABL	[Check Condition] Step 4
Step 4					lower than 22.05 VDC (2/1/29 m.) lower than 22.05 VDC (34 and 37 in.)
1	Using an external DC power supply, apply voltage				120 ±20 VAC (Power Supply)
	between TP 85 and ground.  Increase the voltage gradually, and confirm that the hold				(KV-29V36K/34V36K only)
	down works (raster disappears) at lower than the voltage				Chool Condition Stone
	recorded in Step 3.			PICTIRE	more than 21.0 VDC (27/29 in.)
Step 5	Confirm that a voltage of more than 18.0 VDC (34 and 37 in.) or 21.0 VDC (27/29 in.) appears between TP85	White Picture		BRIGHTNESS maximum	more than 18.0 VDC (34 and 37 in.) 120 $\pm$ 20 VAC (Power Supply) 220 $\pm$ 20 VAC (Power Supply)
	and ground.				(KV-29V36K/34V36K only)

	AND SIGNAL	MEASUMEMENT	LOCATION	ILLUSTRATION AND SHAPE AND NUMBER	
B+ VOLTAGE CONFIRMATION					
The following adjustments should always be performed when replacing the components marked with   on the schematic.		<u>G-Board</u> IC643, R661			
Supply AC Voltage with a variable auto-transformer.      transfer	Variable auto- transformer			130 +20 V AC 220 +20 V AC (KV-29V36K/34V36K)	
2) Input an entirely monoscope signal.	Monoscope				
3) Set the PICTURE control and the BRIGHTNESS control to initial reset value.			PICTURE, BRIGHTNESS		
Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136.5 VDC.		G Board CN641 Pin 1 - ground	initial reset		
above steps.					

NOTES:	
•	
	-

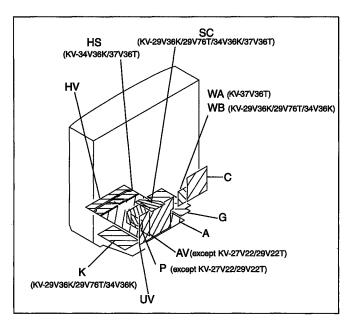
## 4-1. BLOCK DIAGRAM





## SECTION 4 DIAGRAMS (continued)

### 4-2. CIRCUIT BOARDS LOCATION



## 4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note

- All capacitors are in μF unless otherwise noted pF μμF 50WV or less are not indicated except for electrolytics and tantalums
- All electrolytics are in 50V unless otherwise specified
- All resistors are in ohms  $k\Omega=1000\Omega$ ,  $M\Omega=1000k\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows

Pitch 5mm Rating electrical power 1/4W

- 1/4W in resistance, 1/10W and 1/8W in chip resistance
- nonflammable resistor
- fusible resistor
- A internal component
- panel designation and adjustment for repair
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation

Should replacement be required, replace only with the value originally used

When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.

(Refer to R530 and R531 adjustment on Page 16-17)

 When replacing the part in below table, be sure to perform the related adjustment

Part replaced(	Adjustment(
IC351,IC501,D519,D520,D521 C531,C532,R387,R529,R530,R531, R532,R533,R550,T503A BOARD IC643,R661G BOARD	

- · Readings are taken with a color-bar signal input
- Readings are taken with a  $10M\Omega$  digital multimeter
- · Voltages are DC with respect to ground unless otherwise noted
- Voltage variations may be noted due to normal production tolerances
- All voltages are in V

S Measurement impossibility

B+line
B-line

(Actual measured value may be different).

- Signal path (RF)
- · Circled numbers are waveform references

### Reference information

RESISTOR RN METAL FILM RC SOLID FPRD NONFLAMMABLE CARBON FUSE NONFLAMMABLE FUSIBLE RW NONFLAMMABLE WIREWOUND BS NONFLAMMABLE METAL OXIDE RB NONFLAMMABLE CEMENT ADJUSTMENT RESISTOR × COIL LF-8L MICRO INDUCTOR CAPACITOR TΆ **TANTALUM** 

PS STYROL

PP POLYPROPYLENE

PT MYLAR

MPS METALIZED POLYESTER
MPP METALIZED POLYPROPYLENE

ALB BIPOLAR

ALT HIGH TEMPERATURE

ALR HIGH RIPPLE

## Note:

The symbol - display is on the component side

The components identified by shading and mark  $\triangle$  are critical for safety Replace only with part number specified.

The symbol Indicate fast operating fuse.

Replace only with fuse of same rating as marked.

### Note.

Les composants identifiés per un tramé et une marque A sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié

## P BOARD IC VOLTAGE LIST

IC:	3301		21	30	]	12	03
pin	volt		22	47		13	NC
1	GND		23	GND	l	14	30
2	NC		24	29		15	GND
3	GND		IC3	302		16	GND
4	40		pın	volt		17	07
5	68		IN	91		18	0.5
6	GND		OUT	53		19	02
7	02		IC3	303		20	03
8	0		pin	volt		21	5 1
9	18		1	GND		22	52
10	03		2	32		23	NC
11	82		3	26		24	NC
12	82		4	23		25	GND
13	39		5	51		26	NC
14	34		6	GND		27	GND
15	GND		7	05		28	23
16	28		8	0		29	52
17	NC		9	06		30	26
18	2.5		10	52		31	42
19	35		11	21		32	25
_20	30				-	All voitage	s are in V

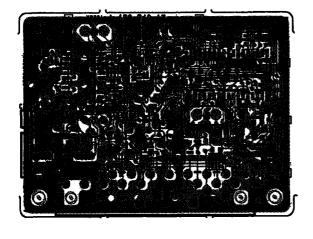
## P BOARD TRANSISTOR VOLTAGE LIST

	B	С	E
Q3301	53	9 1	47
Q3305	05	GND	12
Q3306	0.8	GND	14
Q3307	06	GND	13
Q3308	0	28	GND
Q3310	0	52	GND
Q3312	0	0	0.8
Q3313	0.8	0 4	GND

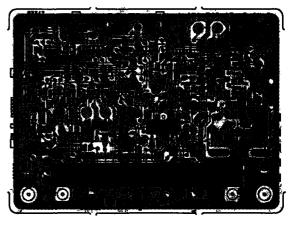
All voltages are in V



## < COMPONENT SIDE>

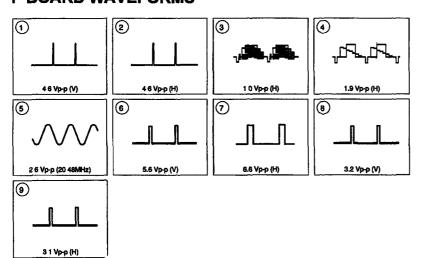


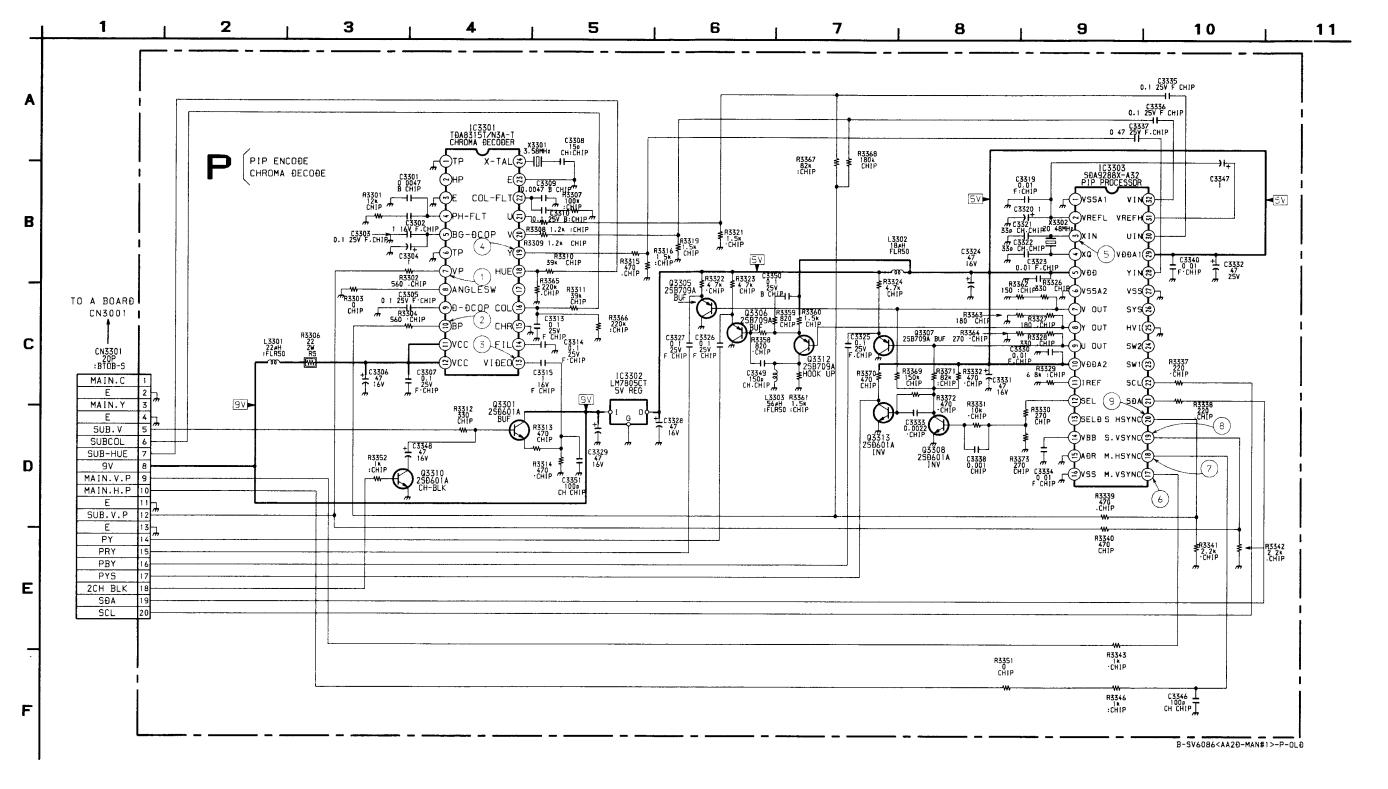
## <CONDUCTOR SIDE>

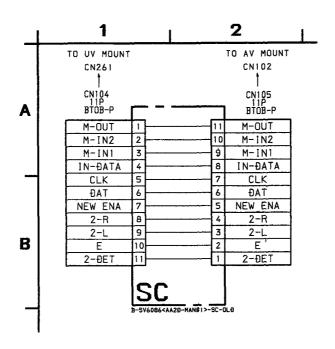


Pattern from the side which enables seeing
Pattern of the rear side

## P BOARD WAVEFORMS

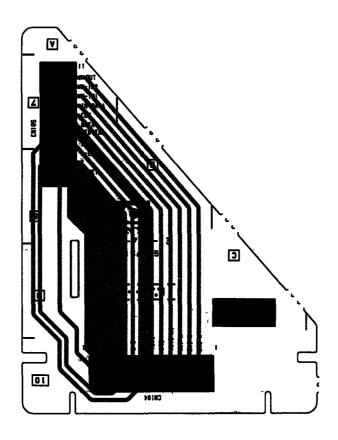




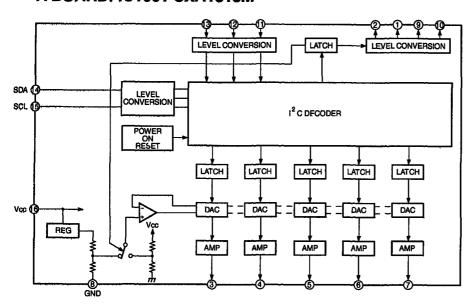




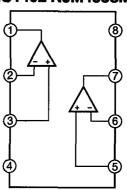
## -- SC BOARD --



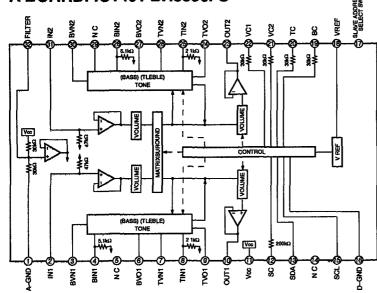
## A BOARD: IC1001 CXA1315M



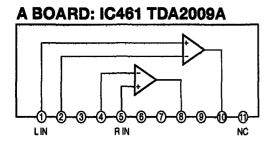
## A BOARD: IC1402 NJM4558M

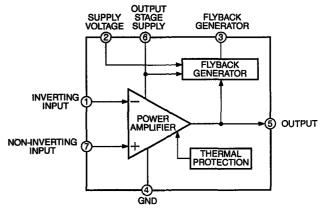






## A BOARD: IC561 TDA 8172 / STV9379







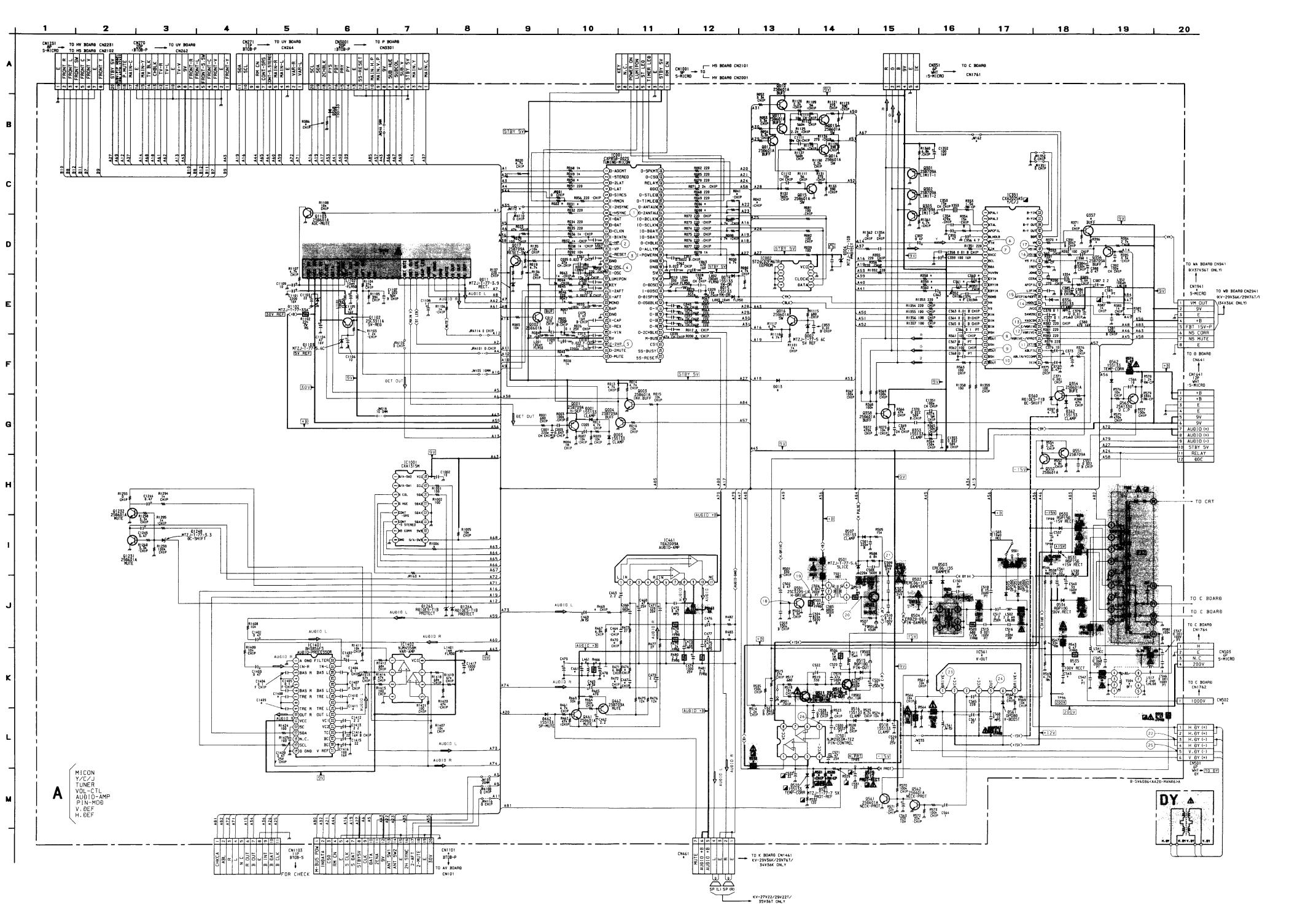
### NOTE

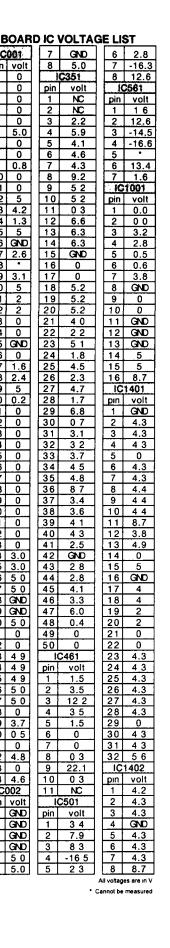
Portions of the circuit marked as shown are high voltage areas Use care to prevent electric shocks during inspection or repair

A BOARD  LOCATOR LIST  DIODE  D001 A-6  D002 D-3	A	[MICON, Y/C/J, 1 PIN-MOD, V.DEF (KV-37V36T)	ΓUNER, VOL- F, H.DEF, AV-S	CTL, AUDIO-AMP, SW ]	. –	– A BOARD –	-							
D003 A-6 D004 C-3 D011 A-5		1	2	. 3 .	4	5	. 6	7	. 8	9	_ 10	. 11 .	12	. 13 .
D013 C-5 D014 D-3	Γ	L_									<u> </u>		12 24 - 25 - 24 - 25 - 25 - 25 - 25 - 25 -	
D015 C-4 D353 D-8 D356 E-3	A		an e e					HILLS TO		Description of the control of the co				
D360 E-7 D362 E-8		01		建設計劃		No.		<b>开影子科</b>	A CONTRACTOR OF THE PROPERTY O	property of the second			Andrews Comment	
D368 C-8 D462 F-1 D501 I-3		作权					1 1							
D502 I-9 D503 I-9 D504 J-8	В			44×444444444	(4.4.4.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	2636 NG				E EURO-		ANTOTONIO		
D505 I-7 D506 I-6									and it	i i		AND		
D507 I-3 D515 H-5 D516 I-3	_								<b>产线路</b> 电路		10 mile 10 cm (10 mile 10 mile			
D518 I-4 D519 F-9	С						oeilii							
D520 H-3 D521 G-3 D530 F-10					<b>苏斯</b>									
D531 F-12 D534 G-9 D535 H-9												(a)		
D561 G-8 D562 G-3	D	7 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1				125.5			TTT	江淮湾	批測数			
D1102 B-10 D1103 B-12 D1248 E-12	٦										4			
D1263 D-10 D1264 E-10	[	- (143 - (143		せる証									THE LOT	
IC001 B-4 IC002 C-3	E			<b>王</b> 为为(*)						<b>国的</b>				
IC351 D-6 IC461 G-5 IC501 H-3	- [		///注				类基础					TINI (		
IC561 G-8 IC1001 D-9 IC1401 E-11								// production management		A contract of the contract of	The state of the s	The state of the s	One of the control of	
IC1402 E-12 TRANSISTOR	ill									建汉宗				
Q001 A-6 Q002 C-5 Q003 I-2	F				2000							R554		
Q004 I-1 Q010 D-4 Q011 D-4		3			nata designation (47)					(54) (534)	CNNO L	i i		
Q012 D-4 Q013 E-4		m <b>4</b> (1-			上上				₹ 1	516 (**** * * * * * * * * * * * * * * * *	N553		- S	
Q014 D-4 Q015 D-4 Q016 D-3	G						- Complete the Part Residence of the Part Re		ROST					
Q017 A-5 Q301 D-8		774				The second secon	Silvered Sin H		<b>4</b>					
Q302 D-8 Q303 D-8 Q354 E-8				<b>建筑</b>	羅德			a Children was index on State and		1535	100			
Q356 C-5 Q357 E-5 Q358 E-8	н		Zi i i					B. State Confession	CNSO1	The state of the s		· · · · · · · · · · · · · · · · · · ·		
Q461 G-3 Q462 G-4						140						<b>O</b> "		
Q501 J-4 Q502 J-9 Q511 H-3	. 1									•	1	R542		
Q512 H-5 Q551 I-2 Q552 I-2	'								<del>40</del> .		en e	C544	6 43	
Q561 F-7 Q562 F-7								N911	C1501	E511				
Q563 H-2 Q1102 B-12 Q1103 A-10	J			D <sub>OTSOT</sub>		CS/M		and the second second		<u>C527</u>		5/		A E A
Q1231 E-13 Q1232 E-13	Ĭ	40a										R541		
			— 33 —			warming the go office at	THE PROPERTY OF THE PROPERTY O	are, are a greek billion		题 美国 <b>一</b>	— 34 <b>-</b>			<b>3.</b> [II]
											- 47			

Q1102 A-11 Q1103 A-10 Q1231 E-12 Q1232 E-12

**— 35 —** 



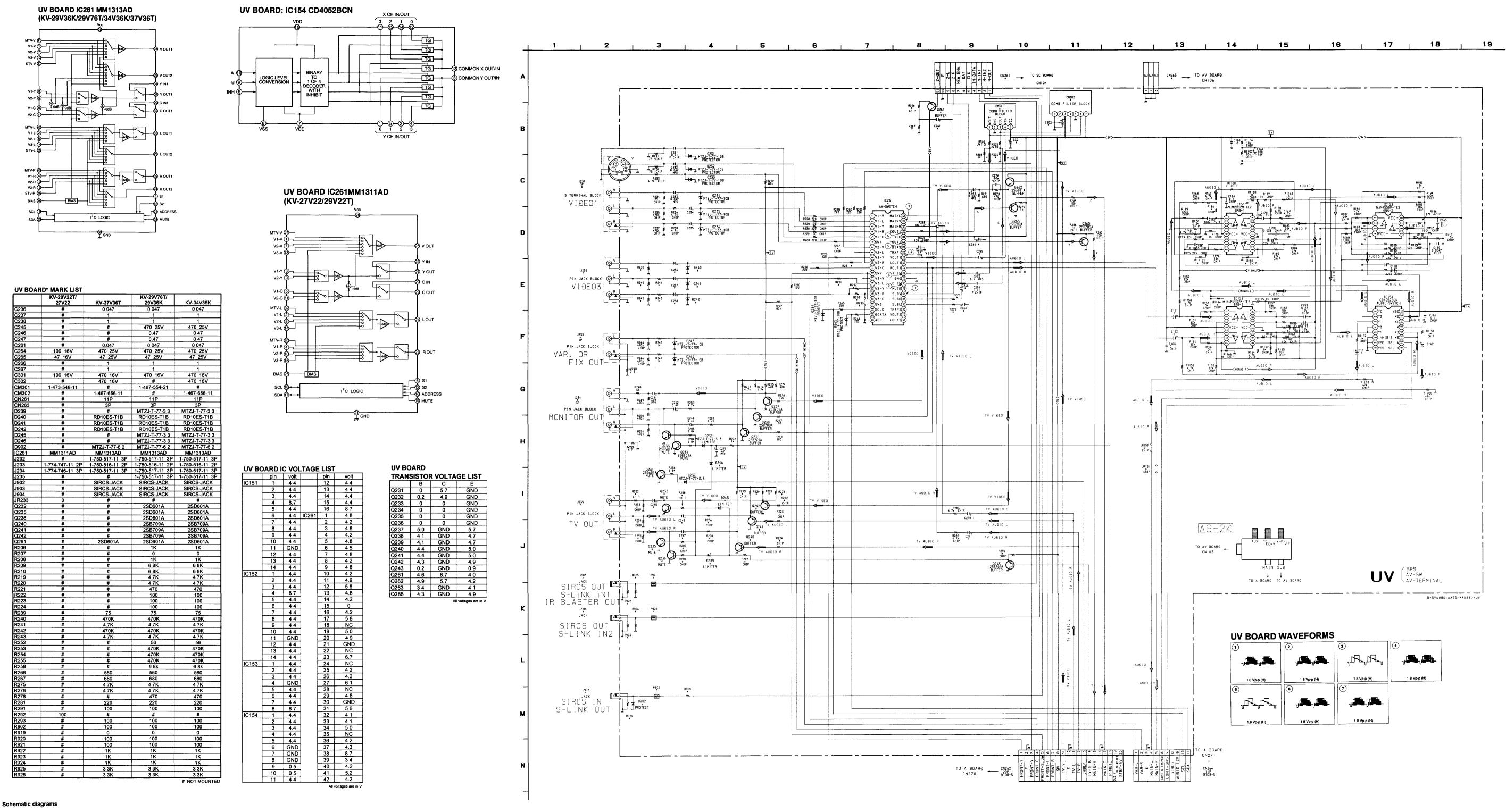


	KV-34V36K	KV-29V22T	KV-29V76T	KV-37V36T	KV-29V36K	KV-27V2
C360	JW(5)	#	JW(5)	JW(5)	JW(5)	#
Ç361	JW(5)	#	JW(5)	JW(5)	JW(5)	#
C362	JW(5)	#	JW(5)	JW(5)	JW(5)	#
C375	#	0 1	#	#	#	0 1
C461	33 25V	22 25V	4.7	10	4.7	22 25V
C464	0 0047	#	#	#	#	#
C467	0 0047	#	#	#	#	#
C476	#	1000 25V	#	1000 25V	#	1000 25\
C477	#	1000 25V	#	1000 25V	#	1000 25\
C478	220 16V	#	#	22	#	#
C479	#	#	#	2.2	*	#
C513	.056 400V	.056 400V	056 400V	033 630V	.056 400V	.056 400
C514	.62 200V	62 200V	.62 200V	82 200V	62 200V	62 200V
C520	.001 500V	0022 500V	0022 500V	001 500V	.0022 500V	0022 500
C537	470 25V	470 25V 470 25V	470 25V 470 25V	1000 25V	470 25V 470 25V	470 25\
C539	470 25V	470 25V #	#	1000 25V 047 200V	470 25V #	470 25\
C542	#		· #	220P 2KV	#	#
C543 C1408	# 0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
1409	0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
C1410	0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
21411	0 0033	0 0022	0.0022	0.0022	0.0022	0.0022
21501	12 200V	#	#	#	#	#
N461	7P	4P	7P	4P	7P	4P
N502	#	#	#	1P	#	#
N1101	20P	#	20P	20P	20P	#
N1941	5P	#	5P	8P	5P	#
D013	1SS133T-77	#	1SS133T-77	1SS133T-77	1SS133T-77	1SS133T-7
D535	#	#	#	RGP02-17EL-6433	#	#
C561	TDA8172	TDA8172	TDA8172	STV9379	TDA8172	TDA8172
JR163	0	#	0	0	0	#
JR240	0	0	0	#	Ö	ő
JR351	#	0	#	#	#	0
JR352	#	0	#	#	#	0
JR501	0	0	Ö	#	0	0
W112	10MM	#	10MM	10MM	10MM	10MM
W162	7 5MM	#	#	7 5MM	7 5MM	#
L461	56uH	10uH	18uH	220uH	18uH	10uH
L541	#	#	#	10mH		
L501	1-411-976-11	1-409-861-11	1-409-861-11	1-409-861-11	1-409-861-11	1-409-861-
Q357	2SD601A-Q	#	2SD601A-Q	2SD601A-Q	2SD601A-Q	#
Q502	2SC5148	2SC4927-01	2SC4927-02	2SC5148	2SC4927-01	2SC4927-0
R006	220	#	220	220	220	#
R008	220	#	220	220	220	#_
R012	220	#	220	220	220	#
R022	10K	#	10K	10K	10K	#
R031	220	#	220	220	220	#
R040	220	#	220	220	220	#
R041	4 7K	#	4.7K	4 7K	4 7K	#
R042	4 7K	#	4 7K	4 7K	4 7K	#
R045	220	#	220	220	220	#
R050	220	#	220	220	220	##
R090	220	#	220	220	220	#
R358	220	#	220	220	220	#
R359	220	#	220	220	220	#
R360	220	#	220	220	220	#
R370	1K	#	1K	1K	1K	#
R371	1 5K	#	1 5K	1 5K	1.5K	#
R386	1K	# #	1K	1K	1K	#
R396	1K	# 2.2	1K	1K	1K	
R466	1 2	2 2	1 5	1 5 2 2K	1 5	22
R469 R470	5 6K 15K	1 8K #	5 6K	2 2 K	5.6K #	1 8K
R470	5 6K	1 8K	5 6K	2 2K	5 6K	1.8K
R474	15K	#	#	#	#	1.0K
R482	#	2 2K	#	2.2K	#	2.2K
R483	#	2 2K	#	2.2K	#	2.2K
R504	470	680	680	470	680	680
R511	68 2W	56_2W	56 2W	100 2W	'56 2W	56 2W
R512	100	82	82	100	82	82
R513	#	.68 1W	.68 1W	#	68 1W	68 1W
R521	470	680	680	470	680	680
R523	10K	10K	10K	8.2K	10K	10K
R529	22K	22K	22K	18K	22K	22K
R530	12K	20K	20K	12K	20K	20K
R531	68K	24K	24K	220K	24K	24K
R533	47K 1W	47K 1W	47K 1W	33K 1W	47K 1W	47K 1W
R536	47 1/2W	47 1/2W	47 1/2W	47 3W	47 1/2W	47 1/2V
R537	47 1/2W	47 1/2W	.47 1/2W	18 3W	47 1/2W	47 1/2V
R541	#	#	#	0 47	#	#
R542	#	#	#	22	#	#
R546	22K	30K	30K	18K	30K	30K
R548	#	#	#	3 3K 1W	#	#
R564	10	8 2	8 2	10	8 2	8.2
R1006	#	#	#	220	#	#
T502	1-424-545-11	1-424-545-11	1-424-545-11	1-429-408-11	1-424-545-11	1-424-545-
T503	8-598-969-00	8-598-969-00	8-598-969-00	1-429-408-11	8-598-969-00	
, ,,,,,						8-598-969-
T504	#	#	#	1-413-059-00	#	#

## A BOARD TRANSISTOR

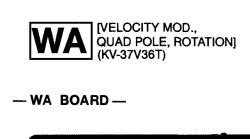
	В	С	Е
Q001	5.2	0.9	5.0
Q002	4.8	5.0	4.1
Q003	-0.4	4.2	GND
Q004	0.8	GND	1.3
Q010	0	8.7	0
Q011	0	8.7	0
Q012	0	8.7	0
Q013	-0.2	0	GND
Q014	-0.2	0	GND
Q015	-0.2	0	GND
Q016	5.8	8.7	5.1
Q017	4.4	5.0	5.0
Q301	4.0	GND	2.2
Q302	4.0	GND	1.8
Q303	4.0	GND	2.0
Q354	0.2	GND	-0.5
Q356	4.9	GND	5.6
Q357	3.6	8.7	0
Q358	1.9	8.7	2.0
Q461	0.8	0	GND
Q462	20.0	20.6	20.7
Q501	-0.7	105.6	GND
Q502	-0.27	130.8	GND
Q511	-14.9	-13.0	-15.1
Q512	-15.1	-22	-15.9
Q551	4 2	0	4.8
Q552	0	4.2	GND
Q561	0.02	2.9	GND
Q562	0.06	0.02	GND
Q563	134.3	0.4	134 7
21102	6.0	9.2	5.3
21103	0	2.5	GND
1231	0	0	GND
1232	0	0	GND

A BOARD W	VAVEFORMS		
1	2	3	•
	TT.		<b>\\\\</b>
4 5 Vp-p (H)	5.3 Vp-p (H)	4 5 Vp-p (V)	3.8 Vp-p (12MHz)
<b>⑤</b>	6	<b>①</b>	8
	The The	-p	
3 9 Vp-p (V)	1 9 Vp-p (H)	1 9 Vp-p (H)	4 5 Vp-p (H)
9	10	10	12
	THEORY CHECKY		
3 3 Vp-p (H)	3 б Vp-р (Н)	55 Vp-p (V)	1 3 Vp-p (V)
13	10	15	16
77			grafia
0 6 Vp-p (V)	5 3 Vp-ρ (H)	6 3 Vp-p (H)	1 7 Vp-p (H)
17	(18)	19	20
12424		MMM	
1 7 Vp-p (H)	2 4 Vp-p (H)	228 Vp-р (H)	49 0 Vp-p (H)
<b>②</b>	22	23	24
_//_	WWW	~	1-1-
1070 Vp-p (H)	294 Vp-p (H)	1 4 Vp-p (V)	57 0 Vp-p (V)
25	26		
77	77		

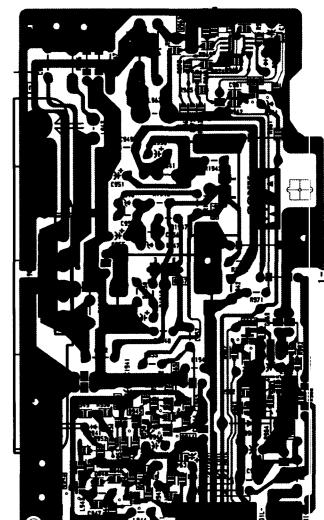


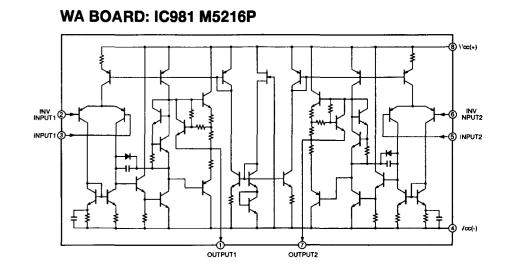


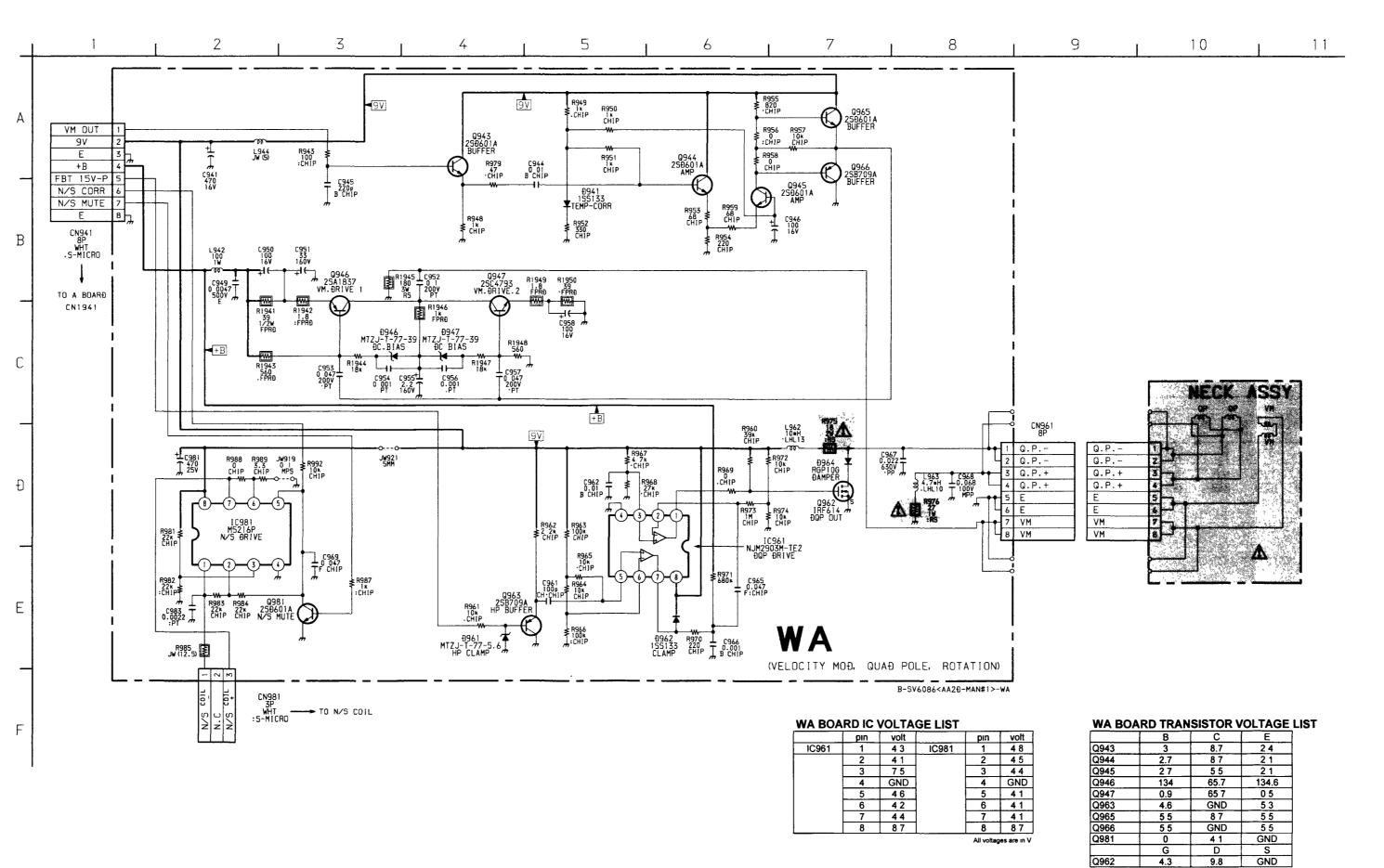
-UV BOARD-



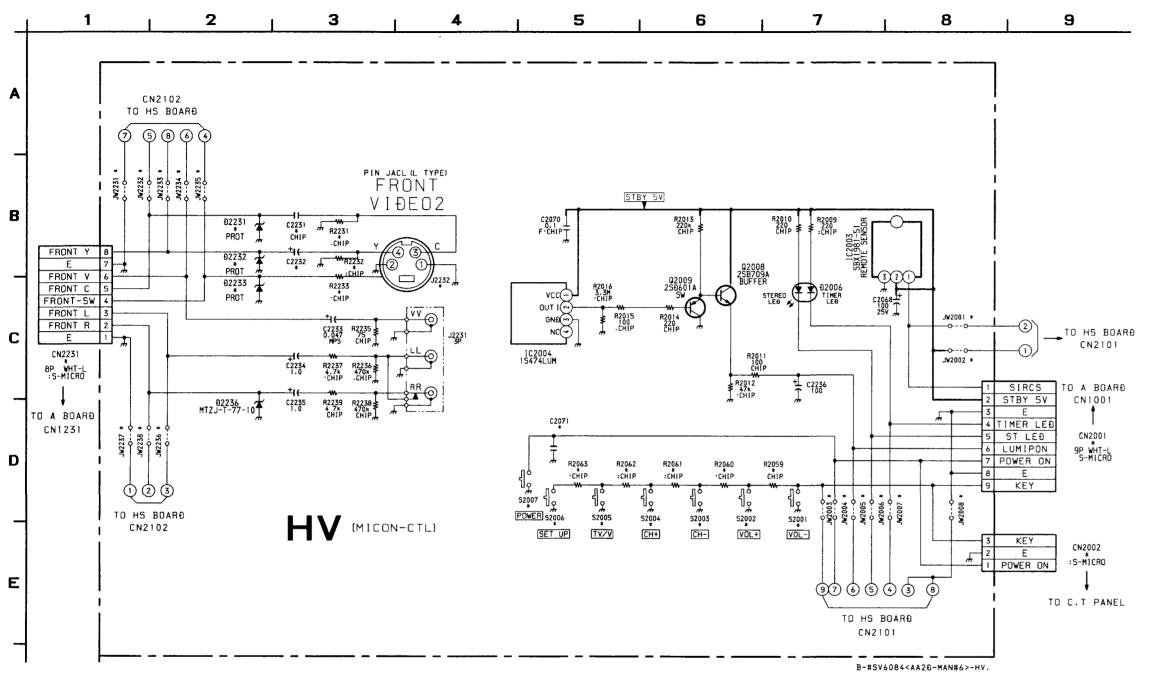




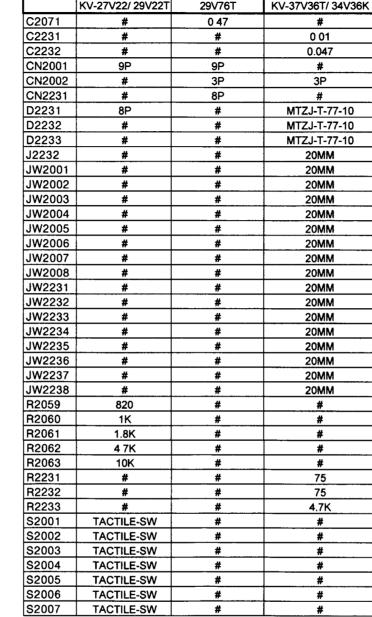




**— 47 —** 



	KV-27V22/ 29V22T	KV-29V36K/ 29V76T	KV-37V36T/ 34V36K
C2071	#	0 47	#
C2231	#	#	0 01
C2232	#	#	0.047
CN2001	9P	9P	#
CN2002	#	3P	3P
CN2231	#	8P	#
D2231	8P	#	MTZJ-T-77-10
D2232	#	#	MTZJ-T-77-10
D2233	#	#	MTZJ-T-77-10
J2232	#	#	20MM
JW2001	#	#	20MM
JW2002	#	#	20MM
JW2003	#	#	20MM
JW2004	#	#	20MM
JW2005	#	#	20MM
JW2006	#	#	20MM
JW2007	#	#	20MM
JW2008	#	#	20MM
JW2231	#	#	20MM
JW2232	#	#	20MM
JW2233	#	#	20MM
JW2234	#	#	20MM
JW2235	#	#	20MM
JW2236	#	#	20MM
JW2237	#	#	20MM
JW2238	#	#	20MM
R2059	820	#	#
R2060	1K	#	#
R2061	1.8K	#	#
R2062	4 7K	#	#
R2063	10K	#	#
R2231	#	#	75
R2232	#	#	75
R2233	#	#	4.7K
S2001	TACTILE-SW	#	#
S2002	TACTILE-SW	#	#
S2003	TACTILE-SW	#	#
S2004	TACTILE-SW	#	#
S2005	TACTILE-SW	#	#
00000	TAOTU E OVE		



#:NOT MOUNTED

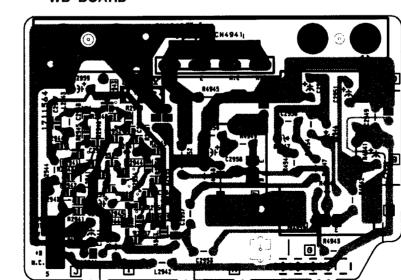
[VELOCITY MOD.] (KV-29V36K/29V76T/34V36K) - WB BOARD-

WB (VELOCITY MOĐ)

5P WHT :S-MICRO

TO A BOARĐ

CN1941



	В	С	Ε
Q2943	3 1	90	24
Q2944	2.7	90	21
Q2945	28	58	2.1
Q2946	134 0	67.4	135 0
Q2947	1.8	67 4	0.5
Q2965	58	90	5.9
Q2966	58	GND	59

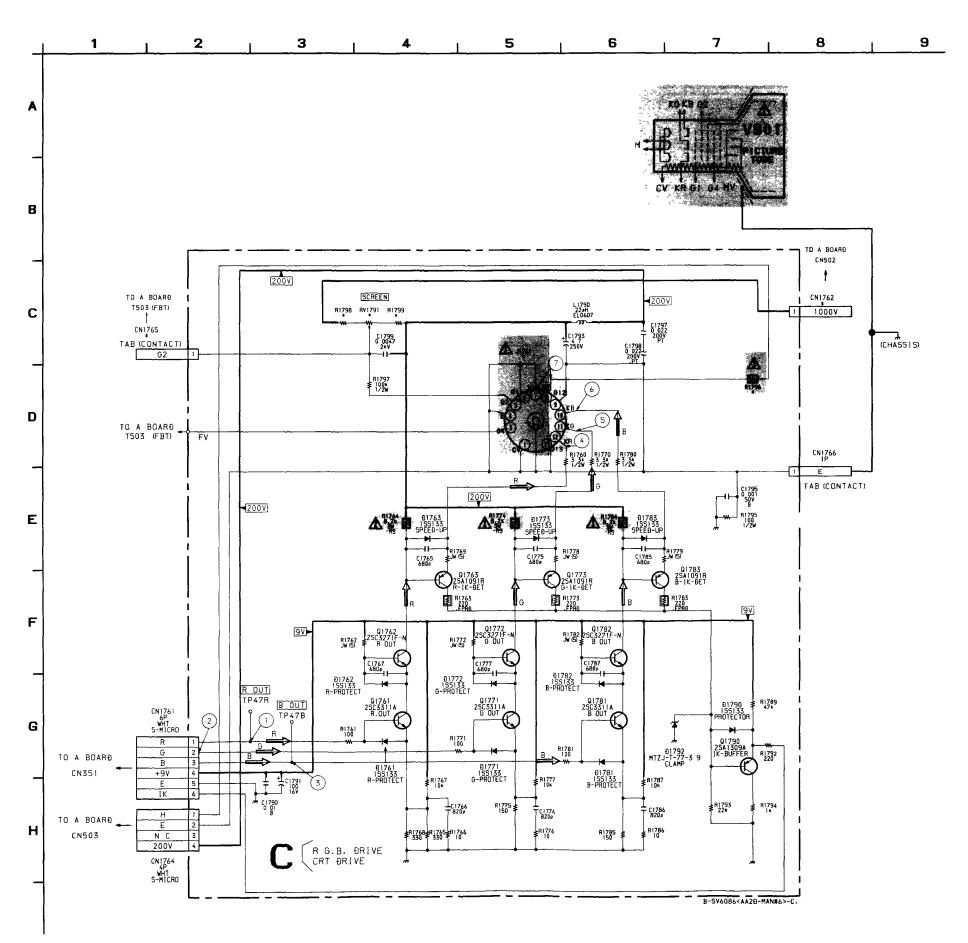
HV [MICON-CTL] - HV BOARD-

HV BOARD IC VOLTAGE LIS				
	pın	volt		
IC2003	1	5.0		
	2	5.0		
	3	GND		
IC2004	1	5.0		
	2	0.5		
	3	GND		
	4	NC		

HV BOARD TRANSISTOR VOLTAGE LIST

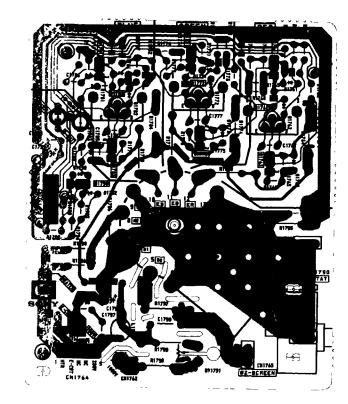
Schematic diagrams ← WA UV boards HV WB boards →

**— 52 ---— 51 —** 



[ R,G,B DRIVE, CRT DRIVE ]

- C BOARD -



## C BOARD WAVEFORMS (1) (2) (44 Vpp (H) (34 Vpp (H) (3.7 Vpp (H) (170 V

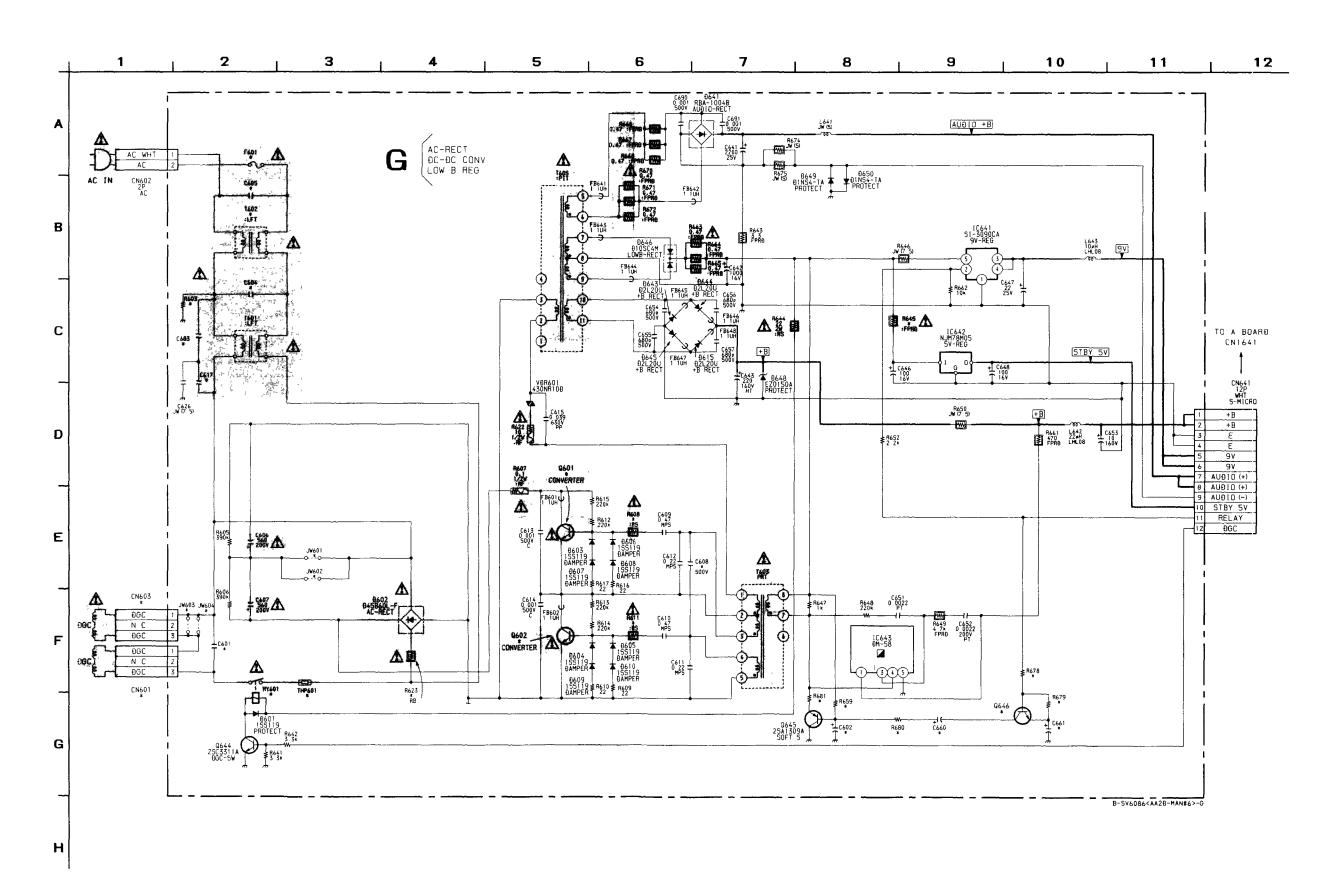
	В	С	E
Q1761	22	8.2	17
Q1762	8.7	134 1	82
Q1763	134.1	23	132 0
Q1771	1.8	8.2	13
Q1772	8.7	146.4	82
Q1773	146 4	2.3	144 1
Q1781	2.1	8 2	16
Q1782	87	133.7	82
Q1783	133.7	23	131 5
Q1790	2.2	0.2	25

	KV-27V22/29V22T/ 29V76T/29V36K/34V36K	KV-37V36T
CN1762	#	1P
CN1765	TAB	#
J1761	1-251-388-11	1-251-328-11
R1796	2.7 / 2W	0.47 / 2W
R1798	#	680K / .5W
R1799	#	100K .5W
RV1791	#	2.2M / .5W

## G BOARD TRANSISTOR VOLTAGE LIST

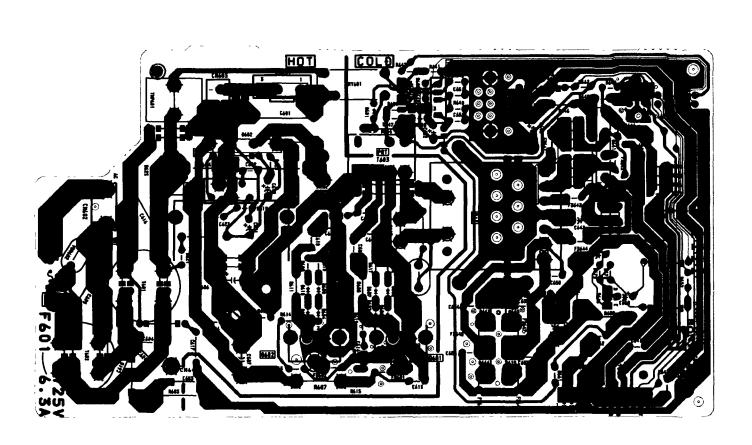
	В	С	E
Q601	145.2	294.0	147 5
Q602	-1.7	147 5	GND
Q644	-0.3	10 5	GND
Q645	7.0	GND	7.6
Q646	4.8	7.4	48

G BOARD IC VOLTAGE LIST					
	pin	volt	]		
IC641	1	GND	]		
	2	39			
	3	89			
	4	8 9			
	5	10.5			
IC642	IN	9.5			
	OUT	5.0			
IC643	1	135			
	2	NC			
	3	25			

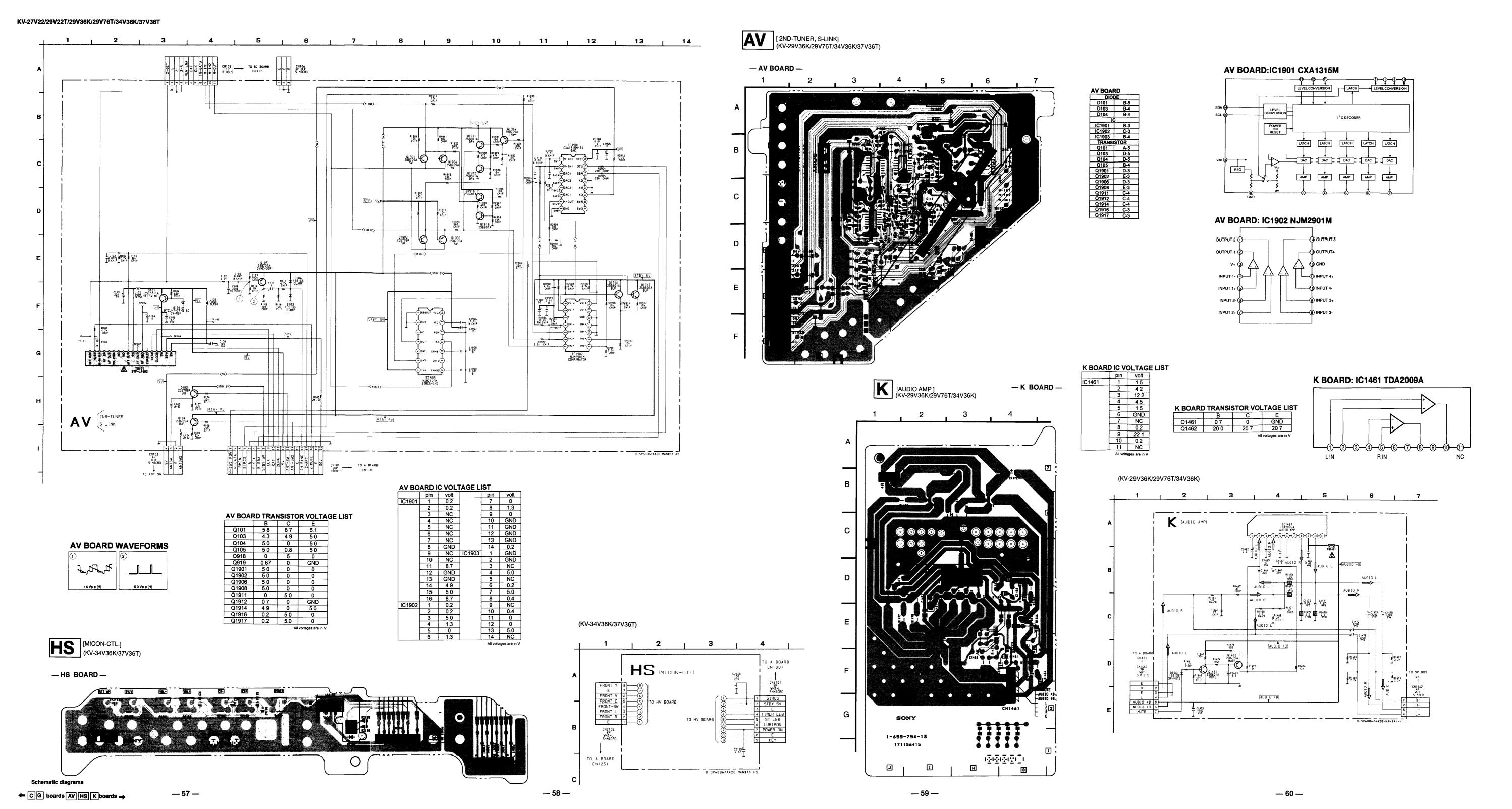


[AC-RECT, DC-DC CONV., LOW B REG]

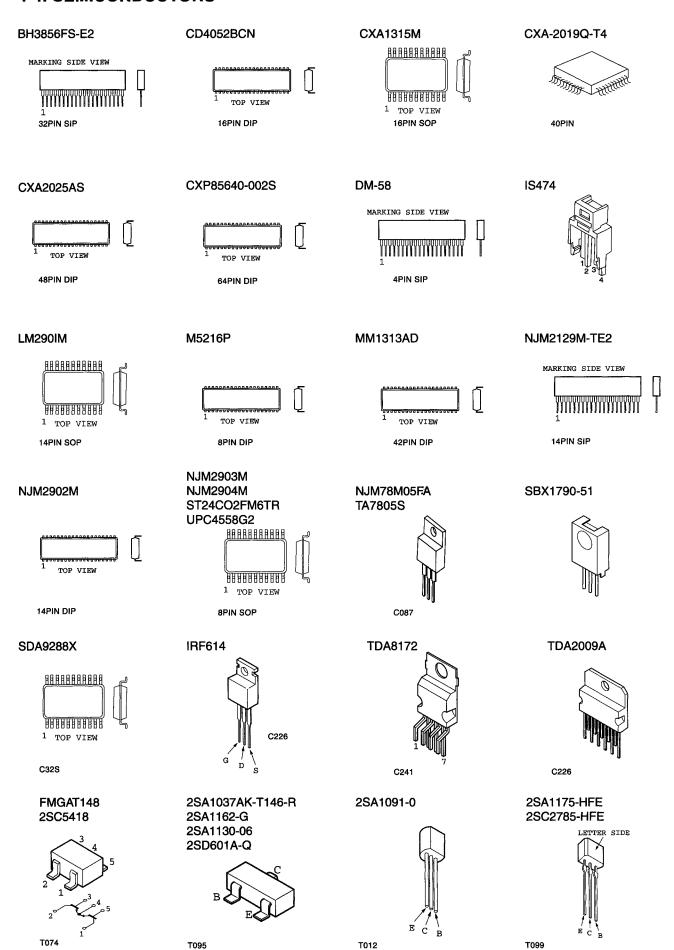
-- G BOARD --

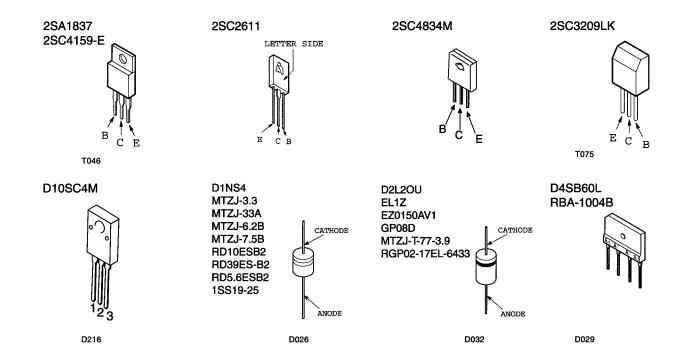


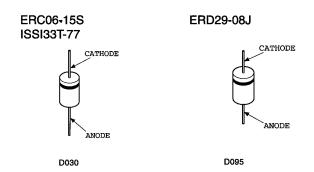
	KV-27V22	KV-29V36K/34V36K	KV-29V22T/29V76T	KV-37V36T	
C601	#	#	#	.22 250V	
C602	#	4.7	#	#	
C603	1000P 250V	1000P	1000P	1000	
C604	.22 125V	.22 300V	22 125V	.22 125V	
C605	.22 125V	0.47	0.47	0.47	
C608	680P 500V	1000P 500V	680P 500V	680P 500V	
C617	1000P 250V	1000P	1000P	1000P	
C660	JW(5)	#	JW(5)	JW(5)	
C661	4.7	#	4 7	4.7	
CN601	1-508-765-00	1-508-765-00	1-508-765-00	1-573-963-1	
CN603	#	#	#	1-573-963-1	
F601	6.3A 125V	6.3A 250V	6 3A 125V	6.3A 125V	
JW601	5MM	#	5MM	5MM	
JW602	5MM	#	5MM	5MM	
JW603	5MM	5MM	5MM	#	
JW604	5MM	5MM	5MM	#	
Q601	2SC4834MNP	2SC4834NP	2SC4834MNP	2SC4834MNP	
Q602	2SC4834MNP	2SC4834NP	2SC4834MNP	2SC4834MNP	
Q646	2SC3311A	#	2SC3311A	2SC3311A	
R603	2.2M 1/2W	8 2M 1W	2.2M 1/2W	2.2M 1/2W	
R608	1.8 2W	1 2W	1.8 2W	1 8 2W	
R611	1.8 2W	1 2W	1 8 2W	1.8 2W	
R623	1 20W	3.9 20W	1 20W	1 20W	
R645	JW(5)	10 1/2W	JW(5)	JW(5)	
R659	#	10K	#	#	
R678	22K	#	22K	22K	
R679	22K	#	22K	22K	
R680	10K	#	10K	10K	
R681 -	150	JW(5)	150	150	
RY601	1-755-146-11	1-755-018-11	1-755-146-11	1-755-146-11	
T602	1-424-220-11	1-426-717-11	1-426-717-11	1-426-717-11	
HP601	1-809-539-11	1-809-827-11	1-809-539-11	1-809-539-11	



## 4-4. SEMICONDUCTORS







## SECTION 5 EXPLODED VIEWS

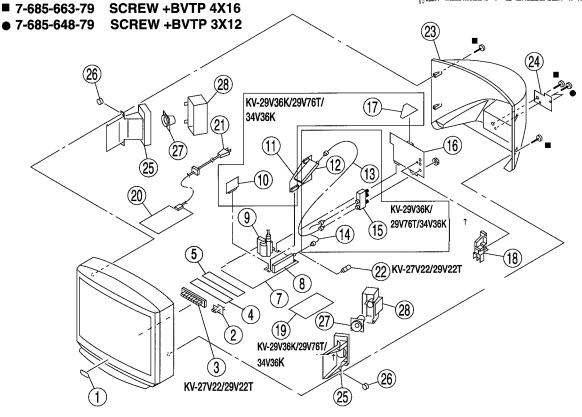
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### Note:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque ∆ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

## 5-1. CHASSIS (KV-27V22/29V22T/29V36K/29V76T/34V36K)



REF.N	<u>0.</u>	PART NO.	DESCRIPTION REMARK	<u> </u>	REF.NO	<u>).</u>	PART NO.	DESCRIPTION	<u>REMARK</u>
1		4-046-160-01	EMBLEM (NO.9), SONY	1	16	*	A-1394-846-A	UV BOARD, COMPLETE (	KV-34V36K)
ģ	*	4-052-897-01	GUIDE, LED		16	*		UV BOARD, COMPLETE (	
3			BUTTON, MULTI (KV-27V22/29V22T)		16	*		UV BOARD, COMPLETE (	
4	*		HV BOARD, MOUNTED (KV-27V22/29V22T)	}	17	*			(V-29V36K/29V76T/34V36K)
4	*		HV BOARD, MOUNTED (KV-29V36K/29V76T)	i	18	*		BRACKET, V5/6 (KV-29V3)	•
4	*		HV BOARD, MOUNTED (KV-34V36K)					, ,	,
-		71 1072 000 71	THE BOTTON, MODITIES (IN CITIESTY)		19	*	A-1380-518-A	K BOARD, COMPLETE (K	V-29V36K/29V76T/34V36K)
5	*	A-1372-326-A	HS BOARD, MOUNTED (KV-34V36K)		20	*	A-1316-306-A	G BOARD, COMPLETE (K	V-29V36K/34V36K)
7	*		A BOARD, COMPLETE (KV-27V22)		20	*	A-1316-352-A	G BOARD, COMPLETE (K	V-29V22T/29V76T)
7	*		A BOARD, COMPLETE (KV-29V22T)		20	*	A-1316-261-A	G BOARD, COMPLETE (K	V-27V22)
7	*		A BOARD, COMPLETE (KV-29V76T)		21	۵	1-751-059-13	CORD POWER (WITH CO	NNECTOR)
7	*		A BOARD, COMPLETE (KV-34V36K)			-			(KV-27V22/29V22T/29V76T)
7	*		A BOARD, COMPLETE (KV-29V36K)	-	21	۵	1-775-468-21	CORD POWER (WITH CO	NNECTOR) (KV-29V36K/34V36K)
۸		a ma ain aa	TUNER BTF-WA404 (KV-27V22)		22		1-766-374-11	PLUG, F-PIN (KV-27V22/2	QV22T)
Q B	A.		TUNER BTF-WL401 (KV-29V36K/34V36K)		23			COVER, REAR (KV-29V36)	
Ω Ω	a L		TUNER BTF-WG404 (KV-29V22T/29V76T)		23			COVER, REAR (KV-27V22)	
Õ	€D A		TRANSFORMER ASSY, FLYBACK (NX-2609/	rracs	23			COVER, REAR (KV-34V36)	
10	£33 •		P BOARD, COMPLETE (KV-29V36K/29V76T/		24			LABEL, TERMINAL (KV-27	
11	*		AV BOARD, COMPLETE (KV-29V36K/29V76T		24			LABEL, TERMINAL (KV-29	•
• • •		A ILUI ILU A	A BOATB, COM ELIE IN ECTORICE	70110011,				,	,
12	٨	8-598-339-00	TUNER BTF-LA402 (KV-29V36K/29V76T/34V	36K)	25		4-043-457-01	BAFFLE, SPEAKER	
13	*		CABLE, P-P (KV-29V36K/29V76T/34V36K)	1	26		4-374-745-31	CUSHION (A)	
13	*		CABLE, P-P (KV-34V36K)	ļ	27		1-504-524-11	SPEAKER (8CM) (KV-27V2	22/29V22T)
14	*		CABLE, P-P (KV-29V36K/29V76T)		27			SPEAKER (8CM) (KV-29V3	
15			SWITCH, ANTENNA AS-2F (KV-29V36K/29V7	<sub>76T)</sub> I	28		X-4032-226-1		
				- ,	28		X-4033-616-1	COVER ASSY, SPEAKER	KV-29V36K/29V76T/34V36K)

# 5-2. PICTURE TUBE (KV-27V22/29V22T/29V36K/29V76T)

• The component parts of an assembly are indicated by the reference numbers in the remarks column.

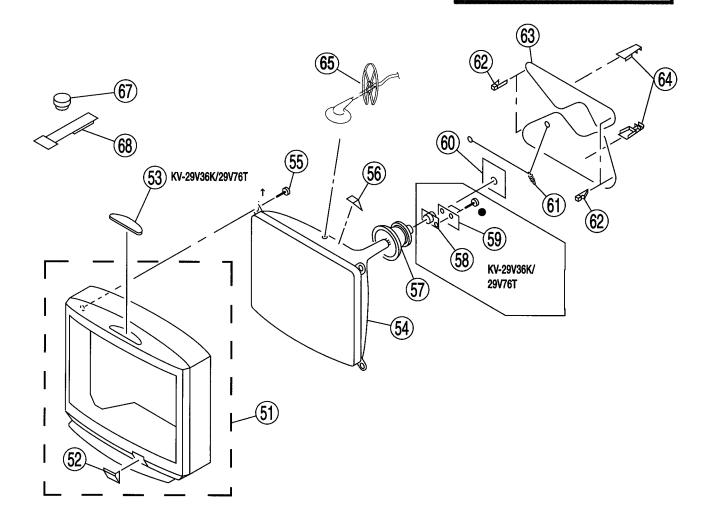
# • 7-685-648-79 SCREW +BVTP 3X12

## Note:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

## Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4034-593-1	BEZNET ASSY (KV-27V22/29V22T)	52
51	X-4034-595-1	BEZNET ASSY (KV-29V36K/29V76T)	52
52	4-052-906-31	DOOR, CONTROL (KV-27V22/29V22T	)
52	4-052-906-51	DOOR, CONTROL (KV-29V36K/29V76	T)
53	1-473-549-11	SWITCH BLOCK, CONTROL (KV-29V	36K/29V76T)
- 54 A	8-733-848-06	ČRT 29EXD (SO-28R/ECH) A69(ZJ50	X
55	4-041-268-01	SCREW (7), TAPPING	
56	4-053-005-01	SPACER, DEFLECTION YOKE	
57 A 58 A	8451-278-42 1-452-506-41	DEFLECTION YOKE (128PFA) NECK ASSY, CHT (KV-28V38K/20V78	n '

REF.	<u>NO.</u>	PART NO.	<b>DESCRIPTION</b>	<u>remark</u>
59 60 61	*	A-1331-549-A 4-036-329-01	WB BOARD, COMPLETE C BOARD, COMPLETE SPRING (B), TENSION	(KV-29V36K/29V76T)
62 63	Δ		HOLDER DGC, (S)  GOT DEMAGNETIC (IN)	291800)
63	Ā			7.727/38/24/38/161
64 65		4-040-387-01 3-704-372-31	HOLDER DGC, (M) HOLDER, HV CABLE	
67		1-452-032-00	MAGNET, DISC	
68		X-4306-312-0	PERMALLOY, CONVERGI	ENCE

# 5-3. PICTURE TUBE (KV-34V36K ONLY)

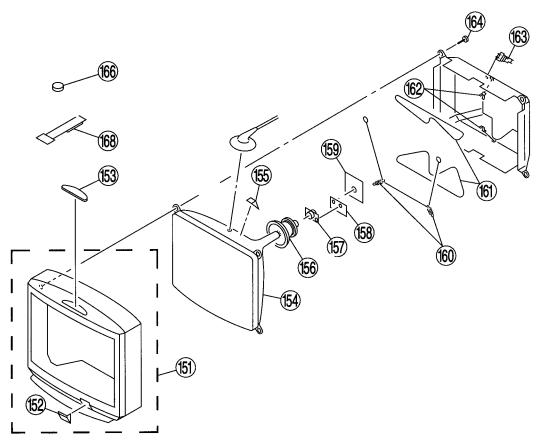
 The component parts of an assembly are indicated by the reference numbers in the remarks column.

## Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

## Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NC	). PART NO.	DESCRIPTION	REMARK
<u>neran</u>	7. FARLING	<u>DESCRIPTION</u>	HEMILIA
151	X-4034-597-1	BEZNET ASSY	152
152	4-052-906-51	DOOR, CONTROL	
153	1-473-549-11	SWITCH BLOCK, CONTROL	
154	1-783-746-05	CPT S4FXCV MAGAYVSTX	
155	4-053-005-01	SPACER, DEFLECTION YOKE	*
			-
156	8-451-482-21	DEFLECTION YOKE (VS4FXA2)	<b>A</b> )
157	1 452-579-21	NECK ASSY, CRT (NAS22)	
158	A-1372-225-A	WB BOARD, COMPLETE	
159 1	A-1331-549-A	C BOARD, COMPLETE	
160	4-036-329-01	SPRING (B), TENSION	
		NATIONAL PROPERTY OF THE PROPE	er a management parties and a second
1013	141147441	COLDENAGNETIC	The second
162	4-371-629-01	STOPPER WIRE	
163	4-033-681-01	HOLDER, LEAD	
164	4-041-268-01	SCREW (7), TAPPING	
166	1-452-885-11	MAGNET, LANDING	
168	4-051-737-21	PIECE A (100), CONV. CORREC	T

# 5-4. CHASSIS (KV-37V36T ONLY)

● 7-685-648-79 SCREW +BVTP 3X12

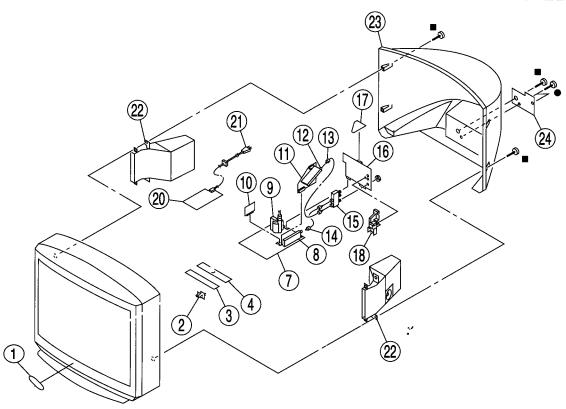
■ 7-685-663-79 SCREW +BVTP 4X16

#### Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

#### Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-01	EMBLEM (NO. 9) SONY	
2 *	4-052-897-01	GUIDE, LED	
3 *	A-1372-330-A	HV BOARD, COMPLETE	
4 *	A-1372-326-A	HS BOARD, COMPLETE	
7 *	A-1298-184-A	A BOARD, COMPLETE	

# 

11 \* A-1297-720-A AV BOARD, COMPLETE

# 12 A 8-508-339-00 TUNER BTS-LA402: \*

13 \* 1-551-382-31 CABLE, P-P 14 \* 1-557-056-31 CABLE, P-P

15 8-598-414-00 ANTENNA SWITCH AS-2F 16 \* A-1394-847-A UV BOARD, COMPLETE

17 \* A-1390-585-A SC BOARD, COMPLETE

18 \* 4-052-905-01 BRACKET, V5/6

20 \* A-1316-353-A G BOARD, COMPLETE

21 1-751-059-11 CORD, POWER (WITH CONNECTOR) 10A/125V

22 1-505-684-11 SPEAKER UNIT, BOX TYPE-2 WAY

23 4-052-903-01 COVER, REAR

24 4-052-899-11 LABEL, TERMINAL

# 5-5. PICTURE TUBE (KV-37V36T ONLY)

• The component parts of an assembly are indicated by the reference numbers in the remarks column.

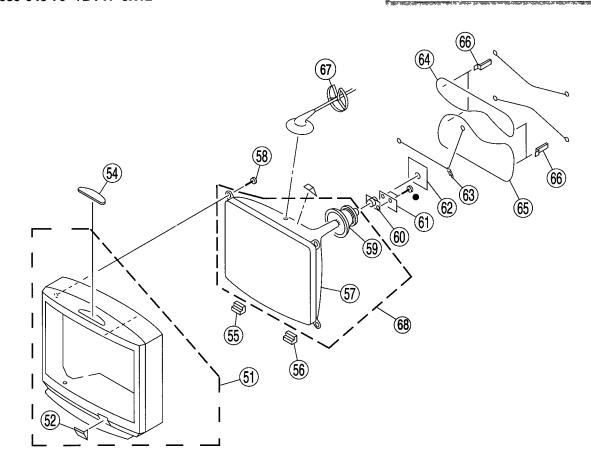
# ●: 7-685-648-79 +BVTP 3X12

#### Note:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

#### Note:

Les composants identifies per un trame et une marque ∆ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO	PART NO.	DESCRIPTION	<u>REMARK</u>
51	X-4034-522-	I BEZNET ASSY	52
52	4-052-906-5	DOOR, CONTROL	
54	1-473-549-1		
55	4-052-902-0°	CRT SUPPORT (L)	
		<u> </u>	
56	4-052-901-0	CRT SUPPORT (R)	
57 A	8-733-760-0	GRT (A89LJT8ÖX)	
58	4-046-765-0	SCREW, TAPPING	
59 A	8-451-480-1	DY (Y37GXA-X)	
60	8-453-007-1	NA324-M	
61 *	A-1372-211-	A WA BOARD, COMPLETE	
62 *	A-1331-522-	A C BOARD, COMPLETE	
63	4-036-329-0		
64 &	1-411-881-1	COIL, DEMAGNETIC	
65 A	1-411-882-1	COIL, DEMAGNETIC	
66 *	4-052-900-0	HOLDER, DGC	
67	3-704-372-3	I HOLDER, HV CABLE	
68 4	8-733-760-7	I TTC 37GX-A1	57, 59



# SECTION 6 ELECTRICAL PARTS LIST

#### Note:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

## Note:

Les composants identifies per un trame et une marque ∆ sont critiques pour la securite. Ne les remplacer que par une plece portant le numero specifie. The components identified by M in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

#### RESISTORS

- All resistors are in ohms
- F: nonflammable

CAPACITORS INDUCTORS

• MF = μF UH = μH

MMH = mH

When indicating parts by reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION		RE	MARK	REF.NO.	PART NO.	DESCRIPTION		RE	<u>MARK</u>
P	<u> </u>					02240	1 160 001 11	CEDAMIC CUID	0.01MF		50V
						C3340 C3346		CERAMIC CHIP CERAMIC CHIP	100PF	5%	50V 50V
*	- A 440E 400	A D DOADD COM	NI ETE			C3346	1-103-251-11		1MF	20%	50V 50V
•	A-1195-103-	A P BOARD, COM		- /0 43 <i>/</i> 0	CIV (070 (0CT)		1-126-967-11		47MF	20%	16V
		(KV-29V	36K/29V/6	/3473	6K/37V36T)	C3348		•		20% 5%	50V
	O A DA OITO					C3349	1-103-121-00	CERAMIC CHIP	150PF	<b>37</b> 0	DUV
	CAPACITO	<u>1</u>				C3350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3301	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C3351		CERAMIC CHIP	100PF	5%	50V
C3302		CERAMIC CHIP	1MF		16V					• • •	
C3303		CERAMIC CHIP	0.1MF		25V		CONNECTO	R			
C3304	1-126-960-11		1MF	20%			00111112010	<u></u>			
C3305		CERAMIC CHIP	0.1MF	20,0	25V	CN3301*	1-764-816-11	CONNECTOR, BOAR	D TO BOAR	D 20P	
C3306	1-126-967-11		47MF	20%			<u>IC</u>				
C3307		CERAMIC CHIP	0.1MF		25V	100004	0.750.000.04	10 TD 4004 FT 8104 T			
C3308		CERAMIC CHIP	15PF	5%	50V	IC3301		IC TDA8315T/N3A-T			
C3309		CERAMIC CHIP	0.0047MF	10%	50V	IC3302	8-759-231-53				
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	IC3303	8-759-438-61	IC SDA9288X-A141			
C3313	1-163-038-91	CERAMIC CHIP	0.1MF		25V		COIL				
C3314	1-163-038-91	CERAMIC CHIP	0.1MF		25V						
C3315	1-164-346-11	CERAMIC CHIP	1MF		16V	L3301	1-408-413-00	INDUCTOR	22UH		
C3319	1-163-031-11	CERAMIC CHIP	0.01MF		50V	L3302	1-410-473-11	INDUCTOR	18UH		
C3320	1-126-960-11	ELECT	1MF	20%	50V	L3303	1-408-418-00	INDUCTOR	56UH		
C3321	1 160 000 11	CERAMIC CHIP	33PF	5%	50V		TRANSISTO	D			
C3322		CERAMIC CHIP	33PF	5% 5%	50V 50V		INANOIOIO	<u>n</u>			
C3322		CERAMIC CHIP	0.01MF	370	50V 50V	Q3301	9_790_499_97	TRANSISTOR 2SD60	14-0		
C3324	1-126-967-11		47MF	20%		.Q3305		TRANSISTOR 2SA116	<del>-</del>		
C3325		CERAMIC CHIP	0.1MF	2070	25V			TRANSISTOR 2SA116			
00020	1-100-000-91	CENAMIC OFF	O. HWIF		204	Q3307		TRANSISTOR 2SA116			
C3326	1_163_039_01	CERAMIC CHIP	0.1MF		25V	Q3308		TRANSISTOR 2SD601			
C3327		CERAMIC CHIP	0.1MF		25V 25V	4000	U I BU TEE EI		ч		
C3328	1-105-050-91		47MF	20%		Q3310	8-729-422-27	TRANSISTOR 2SD601	IA-Q		
C3329	1-126-967-11		47MF	20%	16V	Q3312		TRANSISTOR 2SA116			
C3330		CERAMIC CHIP	0.01MF	20 /0	50V	Q3313		TRANSISTOR 2SC162			
				****							
C3331	1-126-967-11		47MF	20%	16V		RESISTOR				
C3332	1-104-664-11		47MF	20%	25V	mass:	4 646 5== 55		4014	=0.	4 4 614
C3333		CERAMIC CHIP	0.0022MF	5%	50V	R3301		METAL GLAZE	12K	5%	1/10W
C3334		CERAMIC CHIP	0.01MF		50V	R3302		METAL GLAZE	560	5%	1/10W
C3335	1-163-038-91	CERAMIC CHIP	0.1 <b>MF</b>		25V	R3303		CONDUCTOR, CHIP	(2012)		4.44.000
						R3304		METAL GLAZE	560	5%	1/10W
C3336		CERAMIC CHIP	0.1MF		25V	R3306		METAL OXIDE	22	5%	2W F
C3337		CERAMIC CHIP	0.47MF		25V	R3307		METAL GLAZE	100K	5%	1/10W
C3338	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V	R3308	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

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						8.
REF.NO.	PART NO.	DESCRIPTION		R	<u>EMARK</u>	
R3309	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R3310	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R3311	1-216-689-11	METAL GLAZE	39K	5%	1/10W	
R3312	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R3313		METAL GLAZE	470	5%	1/10W	
				• / •	.,	
R3314	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3315	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3316	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R3319	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R3321	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R3322		METAL GLAZE	4.7K	5%	1/10W	
R3323	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R3324		METAL GLAZE	4.7K	5%	1/10W	
R3326	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R3327	1-216-031-00	METAL GLAZE	180	5%	1/10W	
R3328		METAL GLAZE	330	5%	1/10W	
R3329		METAL GLAZE	6.8K	5%	1/10W	
R3330	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R3331	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R3332	1-216-041-00	METAL GLAZE	470	5%	1/10W	
D0007	4 040 000 00	METAL GLAZE	000	<b>50</b> /	4 4 60 44	
R3337			220	5%	1/10W	
R3338		METAL GLAZE	220	5%	1/10W	
R3339		METAL GLAZE	470	5%	1/10W	
R3340		METAL GLAZE	470	5%	1/10W	
R3341	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R3342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R3343	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R3346	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R3351		CONDUCTOR, CHIP	(2012)			
R3352		METAL GLAZE	1K	5%	1/10W	
R3358		METAL GLAZE	820	5%	1/10W	
R3359		METAL GLAZE	820	5%	1/10W	
R3360	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R3361	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R3362	1-216-029-00	METAL GLAZE	150	5%	1/10W	
DOOGO	4 040 004 00	METAL OLAZE	400	<b>E</b> 0/	1/10W	
R3363		METAL GLAZE	180	5%		
R3364		METAL GLAZE	270	5%	1/10W	
R3365		METAL GLAZE	220K	5%	1/10W	
R3366		METAL GLAZE	220K	5%	1/10W	
R3367	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R3368	1-216-103-00	METAL GLAZE	180K	5%	1/10W	
R3369		METAL GLAZE	150K	5%	1/10W	
R3370		METAL GLAZE	470	5%	1/10W	
R3371		METAL GLAZE	82K	5%	1/10W	
R3372		METAL GLAZE	470	5% 5%	1/10W	
R3373		METAL GLAZE	270	5%	1/10W	
noo/o	1-210-030-00	WILLIAL GLAZE	210	J 70	1/1044	
	CRYSTAL					

X3301 1-567-505-11 OSCILLATOR, CRYSTAL X3302 1-760-095-21 VIBRATOR, CRYSTAL

REF.NO.	PART NO.	DESCRIPTION	REMARK
A	A-1297-720-	A AV BOARD, COMPLI (KV-29V36K/	ETE  29V76T/34V36K/37V36T

CA	PA	Cľ	TOF

C101	1-126-960-11	ELECT	1MF	20%	50V
C102	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C104	1-126-964-11	ELECT	10MF	20%	50V
C106	1-104-664-11	ELECT	47MF	20%	25V
C108	1-126-933-11	ELECT	100MF	20%	16V
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C110	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C111	1-126-960-11	ELECT	1MF	20%	50V
C113	1-126-934-11	ELECT	220MF	20%	16V
C1902	1-126-964-11	ELECT	10MF	20%	50V
C1903	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1904	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1905	1-126-964-11	ELECT	10MF	20%	50V
C1906	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1907	1-126-964-11	ELECT	10MF	20%	50V
C1908	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1909	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1910	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1911	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
	C102 C104 C106 C108 C109 C110 C111 C113 C1902 C1903 C1904 C1905 C1906 C1907 C1908 C1909 C1910	C102 1-164-161-11 C104 1-126-964-11 C106 1-104-664-11 C108 1-126-933-11  C109 1-163-259-91 C110 1-104-760-11 C111 1-126-960-11 C113 1-126-964-11 C1902 1-126-964-11  C1903 1-102-129-00 C1904 1-102-129-00 C1905 1-126-964-11 C1906 1-102-129-00 C1907 1-126-964-11  C1908 1-102-074-00 C1909 1-102-074-00 C1910 1-164-232-11	C102 1-164-161-11 CERAMIC CHIP C104 1-126-964-11 ELECT C106 1-104-664-11 ELECT C108 1-126-933-11 ELECT  C109 1-163-259-91 CERAMIC CHIP C110 1-104-760-11 CERAMIC CHIP C111 1-126-960-11 ELECT C113 1-126-964-11 ELECT C1902 1-126-964-11 ELECT C1903 1-102-129-00 CERAMIC C1904 1-102-129-00 CERAMIC C1905 1-126-964-11 ELECT C1906 1-102-129-00 CERAMIC C1907 1-126-964-11 ELECT C1908 1-102-074-00 CERAMIC C1909 1-102-074-00 CERAMIC C1909 1-102-074-00 CERAMIC C1910 1-164-232-11 CERAMIC CHIP	C102 1-164-161-11 CERAMIC CHIP 0.0022MF C104 1-126-964-11 ELECT 10MF C106 1-104-664-11 ELECT 47MF C108 1-126-933-11 ELECT 100MF  C109 1-163-259-91 CERAMIC CHIP 220PF C110 1-104-760-11 CERAMIC CHIP 0.047MF C111 1-126-960-11 ELECT 1MF C113 1-126-934-11 ELECT 220MF C1902 1-126-964-11 ELECT 10MF  C1903 1-102-129-00 CERAMIC 0.01MF C1904 1-102-129-00 CERAMIC 0.01MF C1905 1-126-964-11 ELECT 10MF C1906 1-102-129-00 CERAMIC 0.01MF C1907 1-126-964-11 ELECT 10MF C1908 1-102-074-00 CERAMIC 0.001MF C1909 1-102-074-00 CERAMIC 0.001MF C1909 1-102-074-00 CERAMIC 0.001MF C1909 1-102-074-00 CERAMIC 0.001MF C1910 1-164-232-11 CERAMIC CHIP 0.01MF	C102         1-164-161-11         CERAMIC CHIP         0.0022MF         10%           C104         1-126-964-11         ELECT         10MF         20%           C106         1-104-664-11         ELECT         47MF         20%           C108         1-126-933-11         ELECT         100MF         20%           C109         1-163-259-91         CERAMIC CHIP         220PF         5%           C110         1-104-760-11         CERAMIC CHIP         0.047MF         10%           C111         1-126-960-11         ELECT         1MF         20%           C113         1-126-964-11         ELECT         220MF         20%           C1902         1-126-964-11         ELECT         10MF         20%           C1903         1-102-129-00         CERAMIC         0.01MF         10%           C1904         1-102-129-00         CERAMIC         0.01MF         10%           C1905         1-126-964-11         ELECT         10MF         20%           C1906         1-102-129-00         CERAMIC         0.01MF         10%           C1907         1-126-964-11         ELECT         10MF         20%           C1908         1-102-074-00         CERAM

# CONNECTOR

CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN103 *	1-564-507-11	PLUG, CONNECTOR 4P
CN106 *	1-564-506-11	PLUG, CONNECTOR 3P

# DIODE

D101	8-719-109-89 DIODE RD5.6ESB2
Q103	8-719-991-33 DIODE 1SS133T-77
D104	8-719-991-33 DIODE 1SS133T-77

# <u>IC</u>

IC1901	8-752-058-68	IC CXA1315M
IC1902	8-759-981-61	IC LM2901M
IC1903	8-759-356-27	IC NJM2129M-TE2

# COIL

L102	1-410-470-11	INDUCTOR	10UH
L105	1-408-421-00	INDUCTOR	100UH





The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

							•				
REF.NO.	PART NO.	DESCRIPTION		RE	<u>MARK</u>	REF.NO.	PART NO.	DESCRIPTION		RE	MARK
	<b>TRANSISTO</b>	<u>R</u>			1	R1934		METAL GLAZE	100K	5%	1/10W
					į.	R1935		CONDUCTOR, CHIP	(2012)		
Q101		TRANSISTOR 2SC27				R1936		METAL GLAZE	8.2K		1/10W
Q103		TRANSISTOR 2SA11			ļ	R1937		METAL GLAZE	2.2K		1/10W
Q104		TRANSISTOR 2SA11				R1940	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q105		TRANSISTOR 2SA11			i				4.014		
Q1901		TRANSISTOR 2SA11				R2901		METAL GLAZE	12K		1/10W
Q1902	8-729-216-22	TRANSISTOR 2SA11	62-G		į	R2903		METAL GLAZE	4.7K	5%	1/10W
						R2904		METAL GLAZE	220	5%	1/10W
Q1906		TRANSISTOR 2SA11				R2905		METAL GLAZE	220	5%	1/10W
Q1908		TRANSISTOR 2SA11				R2906	1-216-033-00	METAL GLAZE	220	5%	1/10W
Q1911		TRANSISTOR 2SD60			į	D0007	4 040 005 00	METAL OLATE	4.71/	<b>~</b> 0/	4 (40)41
Q1912		TRANSISTOR 2SD60				R2907		METAL GLAZE	4.7K	5%	1/10W
Q1914	8-729-216-22	TRANSISTOR 2SA11	62-G			R2908		METAL GLAZE	10K	5%	1/10W
04040	0 700 400 07	TRANSISTOR SORS	44.0			R2909		METAL GLAZE	10K	5%	1/10W
Q1916		TRANSISTOR 2SD60				R2910		METAL GLAZE	10K	5%	1/10W
Q1917		TRANSISTOR 2SD60				R2911	1-210-001-00	METAL GLAZE	3.3K	5%	1/10W
Q1918		TRANSISTOR 2SD60	-			D0040	1 040 405 11	CADDON	4 7V	E0/	1/4W
Q1919	8-729-422-27	TRANSISTOR 2SD60	TA-Q			R2912	1-249-425-11		4.7K	5%	
	DEGISTAD					R2913		METAL GLAZE	10K	5%	1/10W
	<u>resistor</u>					R2914		METAL GLAZE	10K	5%	1/10W 1/10W
D404	1 010 005 00	METAL CLATE	A 71/	E0/	1/10/4	R2916 R2917		METAL GLAZE METAL GLAZE	10K 10K	5% 5%	1/10W
R101		METAL GLAZE	4.7K 27K	5%	1/10W	R2917		METAL GLAZE	10K 10K	5% 5%	1/10W
R102		METAL GLAZE	27K 39K	5% 5%	1/10W 1/10W	MZ910	1-210-0/3-00	WE IAL GLAZE	IUN	370	1/1044
R103		METAL GLAZE METAL GLAZE	680	5% 5%	1/10W 1/10W		TUNED				
R104 R106		METAL GLAZE	22K	5%	1/10W		<u>TUNER</u>				
NIUU	1-210-001-00	MEIAL GLAZE	2211	J /0	1/1011	mini i	a see as a	TUNER PSS BIT-LA	100	7 Y Y	
R107	1_016_081_00	METAL GLAZE	22K	5%	1/10W	`# <b>a</b> fa¥#	(%):34K-53A0-34A	Strainfeld (Sec. 616, 35)	interita	is Burre	41.18.18.18.18.12.1.
R108		METAL GLAZE	22K	5%	1/10W						
R109		METAL GLAZE	22K	5%	1/10W		7				
R112	1-249-421-11		2.2K	5%	1/4W	$\perp \Delta$					
R113		METAL GLAZE	100K	5%	1/10W		J				
111.10	1 210 007 01		10011	0,0	,,,,,,,	*	A_1208_111.	A A BOARD, COMP	I ETE (KV.	27\/22\	
R114	1-216-121-91	METAL GLAZE	1M	5%	1/10W	*		A A BOARD, COMP			1
R115		METAL GLAZE	10K	5%	1/10W	*		A A BOARD, COMP			
R116		METAL GLAZE	10K	5%	1/10W	*		A A BOARD, COMP			
R117		METAL GLAZE	4.7K	5%	1/10W	*		A A BOARD, COMP			
R1904		METAL GLAZE	10K	5%	1/10W	*		A A BOARD, COMP			
				• ,•			A-1200-100	A A DOAID, COM	PEIP (ICA		4
R1905	1-216-073-00	METAL GLAZE	10K	5%	1/10W	*	4-051-927-01	CASE, SHIELD			
R1906		METAL GLAZE	100	5%	1/10W			SCREW (M3X10), P, S	(+) W		
R1907		METAL GLAZE	47K	5%	1/10W			(, ,,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	(.)		
R1908		METAL GLAZE	10K	5%	1/10W		CAPACITOR	<b>!</b> *			
R1909		METAL GLAZE	470	5%	1/10W		<u> </u>	1			
						C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
R1910	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C003		CERAMIC CHIP	0.047MF	10%	50V
R1911		METAL GLAZE	10K	5%	1/10W	C005	1-126-960-11		1MF	20%	50V
R1915		METAL GLAZE	10K	5%	1/10W	C009	1-126-967-11		47MF	20%	50V
R1916	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C010		CERAMIC CHIP	0.022MF		50V
R1922		METAL GLAZE	560	5%	1/10W	-					
					l	C012	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1923	1-216-043-91	METAL GLAZE	560	5%	1/10W	C013		METAL GLAZE	1M	5%	1/10W
R1928	1-216-041-00	METAL GLAZE	470	5%	1/10W	C014		CERAMIC CHIP	0.0022MF	10%	50V
R1929		METAL GLAZE	47K	5%	1/10W	C023		CERAMIC CHIP	220PF	5%	50V
R1930		METAL GLAZE	10K	5%	1/10W	C028		CERAMIC CHIP	10PF	0.5PF	50V
R1931		METAL GLAZE	100	5%	1/10W						

5% 1/10W

10K

R1932 1-216-073-00 METAL GLAZE

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REF.NO.	PART NO.	DESCRIPTION		RI	<u>MARK</u>	REF.NO.	PART NO.	DESCRIPTION		RE	MARK
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C461	1-107-717-11	ELECT	33MF	20%	25V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V						(KV-34V36K)
						C461	1-128-551-11	ELECT	22MF	20%	
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	ŀ				(KV-2	7V22/29V22T)
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V					•	,
C038		CERAMIC CHIP	47PF	5%	50V	C461	1-126-963-11	ELECT	4.7MF	20%	50V
C039		CERAMIC CHIP	47PF	5%	50V						V36K/29V76T)
C040		CERAMIC CHIP	47PF	5%	50V	C461	1-126-964-11	ELECT	10MF	20%	50V
											(KV-37V36T)
C051	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C462	1-126-961-11	ELECT	2.2MF	20%	50V ´
C053	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C463	1-126-961-11	ELECT	2.2MF	20%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C464	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C061		CERAMIC CHIP	0.022MF		50V						(KV-34V36K)
C062		CERAMIC CHIP	0.022MF		50V	C466	1-104-666-11	ELECT	220MF	20%	25V
						C467	1-163-017-00	CERAMIC CHIP	0.0047MF		50V
C063	1-126-935-11	ELECT	470MF	20%	16V						(KV-34V36K)
C071	1-164-096-11	CERAMIC	0.01MF		50V	C468	1-104-664-11	ELECT	47MF	20%	25V
C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C470	1-126-961-11		2.2MF	20%	50V
C075		CERAMIC CHIP	0.47MF	10%	16V	C471	1-104-666-11		220MF	20%	25V
C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V						
-	. 100	<u></u>		070		C472	1-136-173-00	FILM	0.47MF	5%	50V
C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C473	1-136-169-00		0.22MF	5%	50V
C355	1-126-959-11		0.47MF	20%	50V	C474	1-126-942-61		1000MF	20%	25V
C356	1-126-963-11	•	4.7MF	20%	50V	C475	1-136-169-00		0.22MF	5%	50V
C357	1-126-959-11		0.47MF	20%	50V	C476	1-126-942-61		1000MF	20%	25V
C358		CERAMIC CHIP	0.01MF	10%	50V	1 3	. 120 0 12 01				V22T/37V36T)
						ļ			, =		,
C359	1-126-933-11	ELECT	100MF	20%	16V	C477	1-126-942-61	ELECT	1000MF	20%	25V
C363		CERAMIC CHIP	0.01MF	10%	50V	1					V22T/37V36T)
C364		CERAMIC CHIP	0.01MF	10%	50V	C478	1-126-934-11	ELECT	220MF	20%	•
C365		CERAMIC CHIP	0.01MF	10%	50V	"""	. ,				(KV-34V36K)
C366	1-137-399-11		0.1MF	5%	50V	C478	1-126-965-11	ELECT	22MF	20%	50V
											(KV-37V36T)
C367	1-137-399-11	FILM	0.1MF	5%	50V	C479	1-126-961-11	ELECT	2.2MF	20%	50V
C368	1-137-399-11	FILM	0.1MF	5%	50V						(KV-37V36T)
C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V						,
C370		CERAMIC CHIP	0.022MF	10%	50V	C501	1-102-110-00	CERAMIC	220PF	10%	50V
C371		CERAMIC CHIP	0.001MF	5%	50V	C502	1-126-959-11	•	0.47MF	20%	
						C503		CERAMIC CHIP	330PF	10%	
C372	1-126-959-11	ELECT	0.47MF	20%	50V	C504	1-102-212-00		820PF	10%	
C373	1-126-960-11		1MF	20%		C505	1-102-002-00		680PF	10%	
C375		CERAMIC CHIP	0.1MF	- /-	50V					• •	
				(KV-2	7V22/29V22T)	C506	1-106-383-00	MYLAR	0.047MF	10%	200V
C376	1-126-964-11	ELECT	10MF	20%	,		1-162-116-00		680PF	10%	
C377	1-137-399-11		0.1MF	5%	50V	C508	1-102-244-00		220PF		500V
						C509	1-162-116-00	CERAMIC	680PF	10%	2KV
C378	1-136-244-11	FILM	0.1MF	5%	50V	C510	1-137-150-11		0.01MF		100V
C379		CERAMIC CHIP	0.01MF	10%	50V						
C380	1-126-935-11	ELECT	470MF	20%	16V	CSITA	·1-115-400-11	FILIA	0.022MF	3%	1.2KV
C381		CERAMIC CHIP	330PF	10%	50V		1130-005-00		0.056MF		
C383	1-137-399-11		0.1MF	5%	50V			-7	4444 a dunde		T KV-37V36T)
				-		C513 A	1 129-720-00	FILM	303MF :	•	
C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V		ith transchipting	- Lambara	"	A 3/8/C	(KV-37V36T)
C386		CERAMIC CHIP	0.01MF	10%		C514 A	1-104-844-11	FILM:	0.62MF	5%%	
C387	1-126-961-11		2.2MF	20%	50V	4	A. LANGE SAME S. J. S.	S. S			T (XV-37V36T)
C388	1-126-959-11		0.47MF	20%	50V					Millour, and adding.	,
C390	1-126-960-11		1MF	20%	50V	C514 A*1	1-136-540-11	FIĹŇ	0.82MF	5%	200V
C391		CERAMIC CHIP	0.0047MF	10%			mda 44			** ******	(KV-37V30T)
•		••••		- / <del>-</del>							4 H. + H. W. **



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REF.NO.	PART NO.	DESCRIPTION		RE	<u>EMARK</u>	REF.NO.	PART NO.	DESCRIPTION		<u>Ri</u>	<u>EMARK</u>
C515	1-106-343-00	MVI AR	0.001MF	10%	100V	C1108	1-126-960-11	FLECT	1MF	20%	50V
C516	1-115-461-11		2MF	5%	200V	C1109	1-126-964-11		10MF	20%	50V
C517	1-107-649-11		2.2MF	20%	250V	C1110		CERAMIC CHIP	10PF	0.5PF	
0017	1-101-0-10-11	LLLOI	Z. Z   V	20 /0	2001	01110	1 100 227 11	OLI PARIO OTTI	1011	0.01	001
C518	1-106-395-00	MYLAR	0.15MF	10%	200V	C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C519	1-162-815-11		47PF	5%	500V	C1112		CERAMIC CHIP	10PF	0.5PF	
C520	1-164-645-11		1000PF	10%		C1244	1-126-959-11		0.47MF	20%	50V
0020	1-104-040 11	OLI UNIMO			36K/37V36T)	C1245	1-126-959-11		0.47MF	20%	50V
C520	1-164-646-11	CERAMIC	•		500V	C1351		CERAMIC CHIP	100PF	5%	50V
0020	1 104 040 11		27V22/29V22			01001	1 100 201 11		100.7	• , •	
		(11.1	L. VLL, LUVLL	1,201	70172010011	C1352	1-126-933-11	FLECT	100MF	20%	16V
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C1353		CERAMIC CHIP	0.022MF	10%	50V
C522	1-126-960-11		1MF	20%	50V	C1354		CONDUCTOR, CHIP	(2012)	1070	
C525	1-102-244-00			10%	500V	C1401	1-126-959-11		0.47MF	20%	50V
C526	1-107-662-11			20%	250V	C1402	1-126-964-11		10MF	20%	50V
C527	1-162-116-00			10%	2KV	C1403	1-126-959-11		0.47MF	20%	50V
0021	1-102-110-00	OLIMINIO	00011	10 /0	21(4	01700	1-120-000-11	LLLO	V.47 IVII	20 /0	001
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C1404	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C529	1-128-551-11		22MF	20%	25V	C1405		CERAMIC CHIP	0.1MF		50V
C530	1-137-366-11			5%	50V	C1406		CERAMIC CHIP	0.1MF		50V
C531	1-126-965-11		22MF	20%	50V	C1407		CERAMIC CHIP	0.1MF		50V
C532	1-126-965-11		22MF	20%	50V	C1408		CERAMIC CHIP	0.0022MF	10%	50V
0302	1-120-303-11	LLLOI	ZZIVII	20 /0	301	01700	1-104-101-11	OLI MINIO OTIII			KV-34V36K)
C537	1-126-941-11	FLECT	470MF	20%	25V				,-	J.OLI 1	itt officery
0001	1-120-0-11-11	LLLO			KV-37V36T)	C1408	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C537	1-126-942-61	FLECT	1000MF	20%		01400	1 104 102 11	OLI WINIO OTIII	0.00001111	1070	(KV-34V36K)
0307	1-120-342-01	LLLOI	10001411		(KV-37V36T)	C1409	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	•
COOQ A	1-128-905-11	CILCY	COUNT.		253	01100		,))			KV-34V36K)
	1 100 000	*****	(F)	6000	KV-37V36T)	C1409	1-164-182-11	CERAMIC CHIP	0.0033MF		•
CSSG A	1-107-914-11	FIERT	1000MF		253	01400	1 101 102 11	OLI VIIIIO OTIII	0100001111	,0	(KV-34V36K)
		1444	1040.00		(KV-37V36T)	C1410	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	
C540	1-123-024-21	FLECT	33MF		160V	01410	1-107-101-11	OLI PUNIO OTIII			KV-34V36K)
C541	1-128-560-11			20%	100V	C1410	1-164-182-11	CERAMIC CHIP		10%	50V
0011	1 120 000 11			_0 ,0		01110	1 101 102 11		0.00001111		(KV-34V36K)
C542	1-106-383-00	MYLAR	0.047MF	10%	200V						(· · · · · · · · · · · · · · · · · · ·
<b>00.</b>			0.0		(KV-37V36T)	C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C543	1-162-131-11	CERAMIC	220PF	10%		• • • • • • • • • • • • • • • • • • • •					KV-34V36K)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 102 101 11	02/04/110			(KV-37V36T)	C1411	1-164-182-11	CERAMIC CHIP	0.0033MF		•
C545	1-106-387-00	MYLAR	0.068MF	10%	200V	• • • • • • • • • • • • • • • • • • • •			***************************************		(KV-34V36K)
C546	1-106-343-00			10%	100V	C1412	1-126-961-11	FLECT	2.2MF	20%	
C547	1-106-343-00			10%	100V	C1413	1-126-961-11		2.2MF	20%	50V
•••			***************************************	,.		C1414		CERAMIC CHIP	0.22MF	10%	16V
C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	<b>5</b> ,			·		
C561	1-126-967-11		47MF	20%		C1415	4-126-965-11	ELECT	22MF	20%	50V
C563	1-126-923-11		220MF	20%	10V	CT416	1-126-933-11		100MF	20%	16V
C564	1-126-960-11		1MF	20%	50V	C1417	1-126-767-11		1000MF		16V
C565	1-126-969-11		220MF	20%	50V	C1420		CERAMIC CHIP	0.47MF		25V
0000				_0 /0		C1501	1-115-462-11		0.12MF	5%	200V
C566	1-126-964-11	ELECT	10MF	20%	50V	0.00.					(KV-34V36K)
C568	1-136-169-00		0.22MF	5%	50V						(
C571	1-104-664-11		47MF	20%	25V		CONNECTO	R			
C1002	1-126-964-11		10MF	20%	50V		<u>*************************************</u>	<u></u>			
C1101	1-126-768-11		2200MF	20%	16V	CN270	1-573-298-11	CONNECTOR, BOARI	D TO BOARD	20P	
J.101						CN271		CONNECTOR, BOAR			
C1103	1-126-965-11	ELECT	22MF	20%	50V			PLUG, CONNECTOR			
C1104	1-126-967-11		47MF	20%	16V			PLUG, CONNECTOR			
C1105	1-126-967-11		47MF	20%	16V			,		6K/29V	76T/29V36K)
C1106	1-126-964-11		10MF	20%	50V	CN461 *	1-564-507-11	PLUG, CONNECTOR	-		
C1107		CERAMIC CHIP	0.022MF	10%				. 200, 2011/1601011		/22/29V	(22T/37V36T)
,0,				70					·		

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P		D1248	8-719-981-99	DIODE MTZJ-3.3	
		PIN, CONNECTOR (5 MM PITCI	H) 1P (KV-37V36T)	D1263		DIODE RD10ESB2	
		PLUG, CONNECTOR 4P	· · ·	D1264		DIODE RD10ESB2	
CN1001 *	1-564-512-11	PLUG, CONNECTOR 9P		5.20	0 1 10 1 10 11	51055115105055	
		CONNECTOR, BOARD TO BOAR	RD 20P		FERRITE BE	ΔD	
		(KV-29V76T/29V	36K/34V36K/37V36T)		<u> </u>	MB.	
		·	·	FB501	1-410-396-41	FERRITE BEAD INDU	CTOR 0.45UH
CN1103	1-573-979-21	CONNECTOR, BOARD TO BOAR	RD 11P	FB502		FERRITE BEAD INDU	
CN1231	1-564-511-11	PLUG, CONNECTOR 8P		FB503		FERRITE BEAD INDU	
CN1641 *	1-564-515-11	PLUG, CONNECTOR 12P					
		PLUG, CONNECTOR 5P (KV-29V			<u>IC</u>		
		PLUG, CONNECTOR 8P (KV-3			_		
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOAR	RD 20P	IC001	8-752-880-88	IC CXP85840-002S	
				IC002	8-759-354-28	IC ST24C02FM6TR	
	DIODE			IC351	8-752-076-76	IC CXA2025AS	
				IC461	8-759-980-43		
D001		DIODE 1SS133T-77		IC501	8-759-700-07	IC NJM2903M	
D002		DIODE RD5.6ESB2					
D003		DIODE 1SS133T-77		IC561		IC TDA8172 (EXCEPT	•
D004		DIODE RD10ESB2		IC561		IC STV9379 (KV-37V3	36T)
D011	0-/19-900-14	DIODE MTZJ-T-77-3.9		IC1001		IC CXA1315M	
D013	9 710 001 22	DIODE 1SS133T-77		IC1401		IC BH3856FS-E2	
D010	0-119-991-00	(KV-27V22/29V76T/29V	36K/34V36K/37V36T)	IC1402	8-759-100-96	IC UPC4558G2	
D014	8-719-991-33	DIODE 1SS133T-77	0010040010010017		CHID COND	LICTOR	
D015		DIODE 188133T-77			CHIP COND	UCTUR	
D353		DIODE 1SS133T-77		JR001	1_216_205_01	CONDUCTOR, CHIP	(2012)
D356		DIODE 1SS133T-77		JR163	-	·	(2012) (EXCEPT KV-29V22T)
				JR240			(2012) (EXCEPT KV-37V36T)
D360	8-719-110-17	DIODE RD10ESB2		JR351			(2012) (KV-27V22/29V22T)
D362	8-719-991-33	DIODE 1SS133T-77		JR352		·	(2012) (KV-27V22/29V22T)
D368	8-719-991-33	DIODE 1SS133T-77					(=)
D462	8-719-991-33	DIODE 1SS133T-77		JR501	1-216-295-91	CONDUCTOR, CHIP	(2012) (EXCEPT KV-37V36T)
D501	8-719-109-89	DIODE RD5.6ESB2		JR1351		CONDUCTOR, CHIP	
				JR1352	1-216-295-91	CONDUCTOR, CHIP	(2012)
D502		DIODE ERC06-15S		JR4101	1-216-295-91	CONDUCTOR, CHIP	(2012)
D503		DIODE ERC06-15S					
D504		DIODE ERD29-08J				CONDUCTOR, CHIP	
D505		DIODE GP08D				CONDUCTOR, CHIP	
D506	8-719-908-03	DIODE GP08D				CONDUCTOR, CHIP	
DC07	0.740.004.00	DIODE 400400T 77				CONDUCTOR, CHIP	
D507		DIODE 1SS133T-77 DIODE EL1Z		JR4120	1-216-295-91	CONDUCTOR, CHIP	(2012)
D515 D516		DIODE 1SS133T-77					
D518	•	DIODE 188133T-77			0011		
	8-719-302-43				COIL		
0010 17	0.110.005.40			1.004	1-408-421-00	INDUCTOR	100UH
D520	8-719-991-33	DIODE 1SS133T-77		L001 L002	1-408-421-00		100UH
D521		DIODE MTZJ-7.5B		L002	1-410-470-11		10UH
D530		DIODE EGP20G		L004	1-410-470-11		10UH
D531	8-719-979-85	DIODE EGP20G		L352	1-412-537-31		100UH
D534		DIODE EL1Z					
				L461	1-408-418-00	INDUCTOR	56UH (KV-34V36K)
D535	8-719-028-72	DIODE RGP02-17EL-6433 (KV-3	7V36T)	L461	1-408-425-00		220UH (KV-37V36T)
D561	8-719-908-03	DIODE GP08D		L461	1-410-470-11		10UH (KV-27V22/29V22T)
D562		DIODE 1SS133T-77		L461	1-410-473-11		18UH (KV-29V36K/29V76T)
D1102		DIODE MTZJ-33A		L501 ∆			INEARITY (KV-34V36K)
D1103	8-719-109-89	DIODE RD5.6ESB2		L501 A	1-409-861-11	COIL, HORIZONTAL I	INEARITY (EXCEPT KV-84V36K)



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque & sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

1412-552-11 MIDUTOR	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		<u>R</u>	EMARK
1-496-877-11 COLL, CHOKE	L502	1-412-552-11	INDUCTOR	2.2MMH		RESISTOR				
STOP   1-247-515-91 CARBON   220   5% 1/AW	L503	1-406-677-11	COIL, CHOKE	10MMH		<del></del>				
1-412-552-11	L511			15MMH	R001	1-216-045-00	METAL GLAZE	680	5%	
1-406-877-1 COLL CHOKE   10MMH (N-37V36T)   PRO5   1-287-415-91 CARBON   220   5% 1/4W					R002	1-247-815-91	CARBON		5%	1/4W
1.11012	L517	1-412-552-11	INDUCTOR	2.2MMH	R003	1-216-097-91	METAL GLAZE		5%	
1-470-49-11   INDUCTOR	L541	1-406-677-11	COIL, CHOKE	10MMH (KV-37V36T)	R004					
	L1101	1-408-421-00	INDUCTOR	•	R005	1-247-815-91	CARBON	220	5%	1/4W
CLINK   R007   1-216-073-00 METAL GLAZE   14/W   220   5%   1/10W										
CLINK   R007   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R008   1-247-815-91 CARBON   2.25   5%   1/10W   R029-804-11 Link, IC 2A/800V   TRANSISTOR   R009   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R029-216-92 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R029-216-92 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R029-22-22 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R029-22-22 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010   8-729-422-27 TRANSISTOR 2S0610-A   R010   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R010	L1401	1-410-494-11	INDUCTOR	1MMH	R006	1-247-815-91	CARBON			
P8461 & 1-582-984-11 LINK, KC 24/80V								1		•
P8461 & 1-532-984-11 Link, IC 24/800/   TRANSISTOR		<u>ic link</u>								
TRANSISTOR   R009	m.25.25.		ta mata a <b>n</b> maranat t		R008	1-247-815-91	CARBON			
TRANSISTOR	P\$461 A	1-532-984-11	LINK, IC 2A/90V		5000	4 040 070 00		•		•
R011   1-216-065-00   METAL GLAZE   4.7K   5%   1/10W			_							
DOI: 0.002   8-728-422-27   TRANSISTOR 2SD601A-Q   R012   1-216-033-00 METAL GLAZE   220   5%   1/10W   R014   7-278-216-22   TRANSISTOR 2SD601A-Q   R014   1-216-065-00 METAL GLAZE   4.7K   5%   1/10W   R015   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   10K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-216-22   TRANSISTOR 2SD601A-Q   R020   1-216-058-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-216-22   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-8		TRANSISTO	<u>R</u>	İ	H010	1-216-037-00	METAL GLAZE	330	5%	1/1UW
DOI: 0.002   8-728-422-27   TRANSISTOR 2SD601A-Q   R012   1-216-033-00 METAL GLAZE   220   5%   1/10W   R014   7-278-216-22   TRANSISTOR 2SD601A-Q   R014   1-216-065-00 METAL GLAZE   4.7K   5%   1/10W   R015   1-216-073-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   4.7K   5%   1/10W   R016   1-216-057-00 METAL GLAZE   10K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-058-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-216-22   TRANSISTOR 2SD601A-Q   R020   1-216-058-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-216-22   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-216-059-90   METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27   TRANSISTOR 2SD601A-Q   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-815-91   CARBON   2.20   5%   1/4W   R020   1-247-8	0004	0 700 040 00	TRANSISTOR SOLAR		D044	4 040 005 00	METAL CLASE	A 71/	ED/	1 (1 ON)
CODID   8-729-216-22 TRANSISTOR 2SD801A-Q   R013   1-216-065-00 METAL GLAZE   4.7K   5%   1/10W   R015   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R016   8-729-422-27 TRANSISTOR 2SD801A-Q   R020   1-216-085-00 METAL GLAZE   4.7K   5%   1/10W   R016   8-729-422-27 TRANSISTOR 2SD801A-Q   R020   1-216-085-00 METAL GLAZE   4.7K   5%   1/10W   R020   1-216-085-90 METAL GLAZE   1/10W   R020   1-216-085-90 METAL GLAZE   1/10W   R020   1/247-815-91 CARBON   220   5%   1/4W   R020   1/247-815-91 CARBON   220   5%   1/4		-		•	HU12	1-210-033-00	METAL GLAZE			
R014   1-216-065-00 METAL GLAZE   4.7K   5%   1/10W				· · · ·	D040	4 046 065 00	METAL CLAZE	•		•
R015   1-216-073-00 METAL GLAZE   10K   5%   1/10W										
R016   3-729-422-27 TRANSISTOR 250801A-Q   R019   1-249-425-11 CARBON   4.7K   5%   1/4W	QUTU	8-729-422-27	TRANSISTOR 250601	IA-Q						
R019	0044	0 700 400 07	TO A MODOLOGO							
R019   1-249-425-11 CARBON   4.7K   5%   1/4W		•			HUID	1-210-0/3-00	METAL GLAZE	IUK	5%	171099
R020					D040	4 040 405 44	CARRON	4 7V	E0/	4 (4)41
R022   1-249-429-11 CARBON   10K   5%   1/4W										
Color   B-729-422-27   TRANSISTOR 2SD601A-Q   R025   1-216-089-91   METAL GLAZE   47K   5%   1/10W   Color   R025   R025   R026   R02				•						
R026   8-729-422-27   TRANSISTOR 2SD601A-Q   R025   1-216-089-91   METAL GLAZE   47K   5%   1/10W	QUID	8-729-422-27	TRANSISTUR 250001	IA-Q	HU22	1-249-429-11	CARBON			
Q017   8-729-216-22 TRANSISTOR 2SA1162-G   R025   1-163-010-11 CERAMIC CHIP   0.0012MF   10%   50V	0016	0 700 400 07	TRANSPICTOR OCCUO	14.0	Dogo	1 016 000 01	METAL CLAZE	•		•
R020   3-729-216-22 TRANSISTOR 2SA1162-G   R026   1-163-038-91   CERAMIC CHIP   0.1 MF   25V										
R026   1-163-038-91   CERAMIC CHIP   0.1MF   25V					NUZU	1-100-010-11	GENAIMIC CHIP	0.00121417	1070	304
R028   1-249-417-11   CARBON   1K   5%   1/4W					Buse	1_163_038_01	CERAMIC CHIP	0.1ME		25V
R029   1-216-025-91   METAL GLAZE   100   5%   1/10W									50/	
R030	GOOD	0-123-210-22	INANGIOTON ZOATT	) <sup>2-G</sup>						
R035   8-729-216-22 TRANSISTOR 2SA1162-G   R031   1-247-815-91   CARBON   220   5%   1/4W	0354	9.700_400_07	TDANICISTOD SCHOOL	14-0						
R035   8-729-422-27   TRANSISTOR 2SD601A-Q (KV-29V36K/29V76T/34V36K/37V36T) (KV-29V36K/29V76T/34V36K/37V36T) (KV-29V36K/29V76T/34V36K/37V36T) (KV-29V36K/29V76T/34V36K/37V36T) (KV-29V36K/29V76T/34V36K/37V36T) (KV-29V36K/29V76T/34V36K/37V36T) (R034   1-247-815-91   CARBON   220   5%   1/4W   R035   1-247-807-31   CARBON   1/4W   R035   1-247-807-31   CARBON   1/4W   R035   1-247-815-91   CARBON   1/4W   R035   1/4W   R035   1-247-815-91   CARBON   1/4W   R035   1/4W				· ·						
(KV-29V36K/29V76T/34V36K/37V36T)  Q358 8-729-422-27 TRANSISTOR 2SD601A-Q Q461 8-729-422-27 TRANSISTOR 2SD601A-Q R035 1-247-815-91 CARBON R035 1-247-815-91 CARBON R036 1-216-049-91 METAL GLAZE R037 1-216-049-91 METAL GLAZE R038 1-216-049-91 METAL GLAZE R038 1-216-049-91 METAL GLAZE R038 1-216-049-91 METAL GLAZE R038 1-216-049-91 METAL GLAZE R039 1-247-807-31 CARBON R040 1-247-815-91 CARBON R050 1-247-815-91 CARBON R050 1-247-807-31 CARBON R050 1-247-807-31 CARBON R050 1-247-807-31 CARBON R050 1-247-815-91 CARBON R050 1-247-807-31 CARBON R05					11001	1-241-010-01	OAIIDON			
Q358 8-729-422-27 TRANSISTOR 2SD601A-Q Q461 8-729-422-27 TRANSISTOR 2SD601A-Q R035 1-247-815-91 CARBON 220 5% 1/4W R035 1-247-815-91 CARBON 220 5% 1/4W R035 1-247-815-91 CARBON 220 5% 1/4W R036 1-216-049-91 METAL GLAZE 1K 5% 1/10W R037 1-216-049-91 METAL GLAZE 1K 5% 1/10W R038 1-216-049-91 METAL GLAZE 1K 5% 1/10W R038 1-216-049-91 METAL GLAZE 1K 5% 1/10W R038 1-216-049-91 METAL GLAZE 1K 5% 1/10W R039 1-247-815-91 CARBON 220 5% 1/4W R039 1-247-815-91 CARBON 100 5% 1/4W R039 1-247-815-91 CARBON 220 5% 1/4W R039 1-247-815-91 CARBON 220 5% 1/4W R040 1-247-815-91 CARBON 220 5% 1/4W R040 1-247-815-91 CARBON 220 5% 1/4W R0511 ★ 8-729-422-27 TRANSISTOR 2SO601A-Q R0512 ★ 8-729-402-27 TRANSISTOR 2SO601A-Q R0513 8-729-422-27 TRANSISTOR 2SO601A-Q R0514 8-729-422-27 TRANSISTOR 2SD601A-Q R052 8-729-422-27 TRANSISTOR 2SD601A-Q R052 8-729-422-27 TRANSISTOR 2SD601A-Q R053 1-247-815-91 CARBON 220 5% 1/10W R040 1-247-815-91 CARBON 220 5% 1/10W R0512 8-729-422-27 TRANSISTOR 2SD601A-Q R0512 8-729-422-27 TRANSISTOR 2SD601A-Q R052 8-729-422-27 TRANSISTOR 2SD601A-Q R053 8-729-422-27 TRANSISTOR 2SD601A-Q R054 1-216-049-91 METAL GLAZE 1K 5% 1/10W R0563 8-729-422-27 TRANSISTOR 2SD601A-Q R055 8-729-422-27 TRANSISTOR 2SD601A-Q R056 8-729-119-78 TRANSISTOR 2SD601A-Q R057 1-247-815-91 CARBON 220 5% 1/4W R057 1-247-815-91 CARBON 220 5% 1/4W R050 1-247-815-91 CARBON 220 5% 1/4W	QUUI	0-123-422-21		"	R032	1-247-815-91	CARBON	•		
R034   1-247-815-91   CARBON   220   5%   1/4W	0358	8-729-422-27	•	• 1	11002	1 241 010 01	O/II IDON	220	070	
R035   1-247-815-91   CARBON   220   5%   1/4W					R034	1-247-815-91	CARBON	220	5%	1/4W
R0462   8-729-216-22   TRANSISTOR 2SA1162-G   R036   1-216-049-91   METAL GLAZE   1K   5%   1/10W	U(TO)	O I LO YEE EI	THE ROLL OF LODGE	17. G						
Column   C	0462	8-729-216-22	TRANSISTOR 2SA116	82-G						
R038   1-216-049-91   METAL GLAZE   1K   5%   1/10W		•								
R039   1-247-807-31   CARBON   100   5%   1/4W							<u>*************************************</u>			
R039   1-247-807-31   CARBON   100   5%   1/4W		* *** *** **	**************************************			,,,, -			• , •	.,
R040   1-247-815-91   CARBON   220   5%   1/4W	Q502 A	8-729-016-32	TRANSISTOR 2SC492		R039	1-247-807-31	CARBON	100	5%	1/4W
R041   1-216-065-00   METAL GLAZE   KV-29V36K/29V76T/34V36K/37V36T	,			" · · · .		1-247-815-91	CARBON	220	5%	1/4W
Color	Q511 A	8-729-422-27						(KV-29V36K/29V	76T/34	V36K/37V36T)
Q551 8-729-216-22 TRANSISTOR 2SA1162-G R042 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W (KV-29V36K/29V76T/34V36K/37V36T) Q552 8-729-422-27 TRANSISTOR 2SD601A-Q (KV-29V36K/29V76T/34V36K/37V36T) Q561 8-729-422-27 TRANSISTOR 2SD601A-Q R043 1-216-049-91 METAL GLAZE 1K 5% 1/10W Q563 8-729-105-08 TRANSISTOR 2SA1330-O6 R044 1-216-049-91 METAL GLAZE 1K 5% 1/10W Q1102 8-729-119-78 TRANSISTOR 2SC2785-HFE R045 1-247-815-91 CARBON 220 5% 1/4W Q1103 8-729-422-27 TRANSISTOR 2SD601A-Q (KV-29V36K/29V76T/34V36K/37V36T) Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q R046 1-247-815-91 CARBON 220 5% 1/4W	Q512 A	8-729-809-29	TRANSISTOR 28C415	89-E	R041	1-216-065-00	METAL GLAZE	•		•
Q552 8-729-422-27 TRANSISTOR 2SD601A-Q Q561 8-729-422-27 TRANSISTOR 2SD601A-Q Q562 8-729-422-27 TRANSISTOR 2SD601A-Q Q563 8-729-105-08 TRANSISTOR 2SA1330-O6 Q1102 8-729-119-78 TRANSISTOR 2SC2785-HFE Q1103 8-729-422-27 TRANSISTOR 2SD601A-Q Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q Q1310 R046 R046 R046 R049-91 METAL GLAZE Q1310 R045 Q1216-049-91 METAL GLAZE Q1310 R045 Q1216-049-91 METAL GLAZE Q1310 R045 Q1216-049-91 METAL GLAZE Q1310 R046 Q1216-049-91 METAL GLAZE Q1310 Q1								(KV-29V36K/29V		
Q552 8-729-422-27 TRANSISTOR 2SD601A-Q Q561 8-729-422-27 TRANSISTOR 2SD601A-Q Q562 8-729-422-27 TRANSISTOR 2SD601A-Q Q563 8-729-105-08 TRANSISTOR 2SA1330-O6 Q1102 8-729-119-78 TRANSISTOR 2SC2785-HFE Q1103 8-729-422-27 TRANSISTOR 2SD601A-Q Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q Q1331 8-729-422-27 TRANSISTOR 2SD601A-Q Q1341 8-729-422-27 TRANSISTOR 2SD601A-Q Q1352 RAPED (KV-29V36K/29V76T/34V36K/37V36T) Q1263 RAPED (KV-29V36K/29V76T/34V36K/37V36T) Q1273 RAPED (KV-29V36K/29V76T/34V36K/37V36T) Q1273 RAPED (KV-29V36K/29V76T/34V36K/37V36T)	Q551	8-729-216-22	TRANSISTOR 2SA116	62-G	R042	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q561       8-729-422-27       TRANSISTOR 2SD601A-Q       R043       1-216-049-91       METAL GLAZE       1K       5%       1/10W         Q563       8-729-105-08       TRANSISTOR 2SA1330-O6       R044       1-216-049-91       METAL GLAZE       1K       5%       1/10W         Q1102       8-729-119-78       TRANSISTOR 2SC2785-HFE       R045       1-247-815-91       CARBON       220       5%       1/4W         Q1103       8-729-422-27       TRANSISTOR 2SD601A-Q       (KV-29V36K/29V76T/34V36K/37V36T)         Q1231       8-729-422-27       TRANSISTOR 2SD601A-Q       R046       1-247-815-91       CARBON       220       5%       1/4W		8-729-422-27	TRANSISTOR 2SD601	IA-Q				(KV-29V36K/29V	76T/34	V36K/37V36T)
Q562       8-729-422-27 TRANSISTOR 2SD601A-Q       R043       1-216-049-91 METAL GLAZE       1K       5%       1/10W         Q563       8-729-105-08 TRANSISTOR 2SA1330-06       R044       1-216-049-91 METAL GLAZE       1K       5%       1/10W         Q1102       8-729-119-78 TRANSISTOR 2SC2785-HFE       R045       1-247-815-91 CARBON       220       5%       1/4W         Q1103       8-729-422-27 TRANSISTOR 2SD601A-Q       (KV-29V36K/29V76T/34V36K/37V36T)         Q1231       8-729-422-27 TRANSISTOR 2SD601A-Q       R046       1-247-815-91 CARBON       220       5%       1/4W	Q561	8-729-422-27	TRANSISTOR 2SD601	IA-Q						
Q563       8-729-105-08 TRANSISTOR 2SA1330-06       R044       1-216-049-91 METAL GLAZE       1K       5%       1/10W         Q1102       8-729-119-78 TRANSISTOR 2SC2785-HFE       R045       1-247-815-91 CARBON       220       5%       1/4W         Q1103       8-729-422-27 TRANSISTOR 2SD601A-Q       (KV-29V36K/29V76T/34V36K/37V36T)         Q1231       8-729-422-27 TRANSISTOR 2SD601A-Q       R046       1-247-815-91 CARBON       220       5%       1/4W		8-729-422-27	TRANSISTOR 2SD601	IA-Q I	R043	1-216-049-91	METAL GLAZE	1K	5%	1/10W
Q1103 8-729-422-27 TRANSISTOR 2SD601A-Q (KV-29V36K/29V76T/34V36K/37V36T) Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q R046 1-247-815-91 CARBON 220 5% 1/4W					R044	1-216-049-91	METAL GLAZE	1K	5%	1/10W
Q1103 8-729-422-27 TRANSISTOR 2SD601A-Q (KV-29V36K/29V76T/34V36K/37V36T) Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q R046 1-247-815-91 CARBON 220 5% 1/4W	Q1102	8-729-119-78	TRANSISTOR 2SC278	35-HFE	R045	1-247-815-91	CARBON	220	5%	1/4W
Q1231 8-729-422-27 TRANSISTOR 2SD601A-Q R046 1-247-815-91 CARBON 220 5% 1/4W		8-729-422-27	TRANSISTOR 2SD601	IA-Q				(KV-29V36K/29V	76T/34	V36K/37V36T)
Q1232 8-729-422-27 TRANSISTOR 2SD601A-Q	Q1231	8-729-422-27	TRANSISTOR 2SD601	IA-Q	R046	1-247-815-91	CARBON	220	5%	1/4W
	Q1232	8-729-422-27	TRANSISTOR 2SD601	IA-Q						

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	<u>remark</u>		MARK	REF.NO.	PART NO.	DESCRIPTION		REMARK		
R047	1-249-417-11	CARBON	1K	5%	1/4W	R358	1-247-815-91	CARBON	220	5%	1/4W	
R048	1-249-417-11	CARBON	1K	5%	1/4W				(KV-29V36K/29V7		/36K/37V36T)	
R049	1-249-417-11		1K	5%	1/4W	R359	1-247-815-91	CARBON	220	5%	1/4W	
R050	1-247-815-91		220	5%	1/4W			0,11,2011	(KV-29V36K/29V7			
11000	1 241 010 01	ONINDON	(KV-29V36K/29V			R360	1-247-815-91	CARRON	220	5%	1/4W	
R051	1-247-815-91	CARRON	220	5%	1/4W	11000	1-241-010-01	OAIIDON	(KV-29V36K/29V7			
R052		METAL GLAZE	3.3K	5% 5%	1/4W 1/10W	R361	1 016 005 01	METAL CLAZE	•			
NUUL	1-210-001-00	WE TAL GLAZE	JUN	J 70	1/1044	R362		METAL CLAZE	100	5% 5%	1/10W 1/10W	
DOEO	4 040 004 00	METAL OLATE	0.014	E0/	44011	1		METAL GLAZE	100	5%		
R053		METAL GLAZE	3.3K	5%	1/10W	R363		METAL GLAZE	100	5%	1/10W	
R054		METAL GLAZE	3.3K	5%	1/10W	R364	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R055		METAL GLAZE	100K	5%	1/10W							
R056		METAL GLAZE	220	5%	1/10W	R365		METAL GLAZE	150K	5%	1/10W	
R057	1-249-417-11	CARBON	1K	5%	1/4W	R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
						R367	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R058	1-216-033-00	METAL GLAZE	220	5%	1/10W	R368	1-249-441-11	CARBON	100K	5%	1/4W	
R064	1-247-815-91	CARBON	220	5%	1/4W	R369	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R065	1-247-815-91	CARBON	220	5%	1/4W							
R066	1-247-815-91	CARBON	220	5%	1/4W	R370	1-249-417-11	CARBON	1K	5%	1/4W	
R067	1-249-413-11	CARBON	470	5%	1/4W				(KV-29V36K/29V7			
R068	1-247-815-91		220	5%	1/4W	R371	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R069	1-247-815-91		220	5%	1/4W	1.011	1 210 000 00	MEN LE GE LE	(KV-29V36K/29V7			
R070	1-247-815-91		220	5%	1/4W	R372	1_216_113_00	METAL GLAZE	470K	5%	1/10W	
11070	1 241 010 01	OALIDON	LLU	J /U	1/711	R373		METAL GLAZE	10K	5%	1/10W	
R071	1 016 057 00	METAL GLAZE	2.2K	5%	1/10W	R374						
R072						no/4	1-210-120-00	METAL GLAZE	1.5M	5%	1/10W	
R073		METAL GLAZE	220	5%	1/10W	D075	4 010 005 04	METAL OLAZE	400	E0/	4 (4 (0) ).	
		METAL GLAZE	220	5%	1/10W	R375		METAL GLAZE	100	5%	1/10W	
R074		METAL GLAZE	220	5%	1/10W	R376		METAL GLAZE	10K	5%	1/10W	
R075	1-216-033-00	METAL GLAZE	220	5%	1/10W	R379		METAL GLAZE	220	5%	1/10W	
						R380	1-247-815-91		220	5%	1/4W	
R076		METAL GLAZE	220	5%	1/10W	R381	1-247-815-91	CARBON	220	5%	1/4W	
R077		METAL GLAZE	220	5%	1/10W	l .						
R078	1-249-417-11		1K	5%	1/4W	R382	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R079	1-216-033-00	METAL GLAZE	220	5%	1/10W	R383	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R080	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R384	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
						R385	1-249-422-11	CARBON	2.7K	5%	1/4W	
R081	1-216-025-91	METAL GLAZE	100	5%	1/10W	R386	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R082	1-216-025-91	METAL GLAZE	100	5%	1/10W				(KV-29V36K/29V7	6T/34\	/36K/37V36T)	
R083	1-249-429-11	CARBON	10K	5%	1/4W	]			•		•	
R084	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R387	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R087	1-247-815-91		220	5%	1/4W	R388		METAL GLAZE	47K	5%	1/10W	
						R389		METAL GLAZE	5.6K	5%	1/10W	
R090	1-216-033-00	METAL GLAZE	220	5%	1/10W	R390		METAL GLAZE	270	5%	1/10W	
11000	1 210 000 00	ME ME GE EE	(KV-29V36K/29V			R391		METAL GLAZE	15K		6 1/10W	
R092	1-249-429-11	CARRON	10K	5%	1/4W	1 1100	1-200-0}0-11	WILLIAL GLAZE	IOIL	0.50 /	0 1/10**	
R097		METAL GLAZE	4.7K		1/10W	R392	1 216 025 01	METAL GLAZE	100	5%	1/10W	
R099		METAL GLAZE				1						
			4.7K	5%	1/10W	R393		METAL GLAZE	560	5% 5%	1/10W	
R131	1-210-030-00	METAL GLAZE	270	5%	1/10W	R394		METAL GLAZE	2.7K	5%	1/10W	
D466	4 040 445 00	METAL O: 455	2001	-o·	4 4 0 14	R395		METAL GLAZE	3.3K	5%	1/10W	
R132		METAL GLAZE	560K	5%	1/10W	R396	1-249-417-11	CARBON	1K	5%	1/4W	
R133		METAL GLAZE	390		1/10W				(KV-29V36K/29V7	61/34\	/36K/37V36T)	
R135		METAL GLAZE	10K		1/10W	1						
R136		METAL GLAZE	10K		1/10W	R397	1-249-425-11		4.7K	5%	1/4W	
R137	1-216-033-00	METAL GLAZE	220	5%	1/10W	R461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R353	1-208-786-11	METAL GLAZE	1.5K	0.50%	1/10W	R462	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
						R463	1-249-435-11	CARBON	33K	5%	1/4W	
R354	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R464	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R355		METAL GLAZE	220	5%	1/10W	R465	1-249-413-11		470	5%	1/4W	
R356		METAL GLAZE	220	5%	1/10W							
						i						



The components identified by  $\blacksquare$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

Les composants identifies per un trame et une marque & sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION		Ē	EMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK	
R466	1-249-382-11	CARBON	1.2	5%	1/4W F	(R8112	V (Paris Assa)	- WETAL OXIDE	100	55 AL L	
					(KV-34V36K)	REST	1.215-440-1	1 METAL OXIDE	58	(RV-57A 5% 2W F	361)
R466	1-249-383-11	CARBON	1.5	5% (	1/4W KV-29V36K/29V76T)	A612		1 METAL OXIDE		2/29 <mark>1/291/61/29</mark> 1 5% 2W F	360)
R466	1-249-385-11	CARBON	2.2	%	1/4W (KV-27V22/29V22T)					(KV-34V36K/37\	(361)
R467	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	H612	1-216-450-0	O METAL COOPE	82	5% 2W F	
R469	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W				net vieramicitares.	/20/221/20/761/20	36K)
D 400	4 040 057 00	METAL OLAZE	0.014	•	6K/34V36K/29V76T)	R513	1-216-347-1	1 METAL OXIDE	0.68	5% 1W F	iocio
R469	1-216-05/-00	METAL GLAZE	2.2K	5%	1/10W (KV-37V36T)	R515	1_216_083_0	0 METAL GLAZE	(KV-27V2) 27K	2/29V22T/29V76T/29V 5% 1/10W	JON)
					(114-014001)	R516		0 METAL GLAZE	2.2K	5% 1/10W	
R469	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	R517	1-249-415-1	1 CARBON	680	5% 1/4W	
					(KV-27V22/29V22T)						
R470	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R518		0 METAL GLAZE	10K	5% 1/10W	
R471	1-216-060-00	METAL GLAZE	6.8K	5%	(KV-34V36K) 1/10W	R519	1-249-411-1	I CARBON 1: METAL CXIDE	330 470	5% 1/4W	
R472		METAL GLAZE	5.6K	5%	1/10W			THE OLD OTHER		IKV-SIVSKKSTI	3611
					6K/34V36K/29V76T)	R521 /	1-216-916-0	O METAL CRIDE	470	5% 3W F	
R472	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W				2. a. S S	129V22T/29V76T/29V	(dek)
					(KV-37V36T)	R523	1-216-073-0	O METAL GLAZE	10K	5% 1/10W	<b>600T</b> 3
R472	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W					(EXCEPT KV-37V	(301)
11412	1-210-000-00	MEINE GENEE	1.010		(KV-27V22/29V22T)	R523	1-216-071-0	0 METAL GLAZE	8.2K	5% 1/10W	
R473	1-249-398-11	CARBON	27	5%	1/4W					(KV-37V	/36T)
R474	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R524	1-249-429-1		10K	5% 1/4W	
B 470	4 040 400 44	040001	4014	=0/	(KV-34V36K)	R525		0 METAL GLAZE	8.2K	5% 1/10W	
R475 R476	1-249-430-11 1-249-430-11		12K 12K	5% 5%	1/4W 1/4W	R528 R529		0 METAL GLAZE 1 METAL GLAZE	22K 22K	5% 1/10W 0.50% 1/10W	
N410	1-243-430-11	CANDON	1211	370	1/411	1029	1-200-014-1	I WEIAL GLAZE	2211	(EXCEPT KV-37V	/36T)
R477	1-249-398-11	CARBON	27	5%	1/4W					·	•
R478	1-249-418-11		1.2K	5%	1/4W F	R529	1-208-812-1	1 METAL GLAZE	18K	0.50% 1/10W	
R479	1-249-418-11		1.2K	5%	1/4W F	- i.mean			**************************************	(KV-37V	
R480 R481	1-249-385-11 1-249-385-11		2.2 2.2	5% 5%	1/4W F 1/4W F	⊠ RS0		METAL GLAZE		1711 104-34406K/078	
11701	1-2-13-000-11	OARIDON	2.2	370	1/711	₩ R530 £		METAL GLAZE		1/10	W
R482	1-249-421-11	CARBON	2.2K	5%	1/4W				(KV-27V2	//29V36K/29V22T/29V	761
				•	22/29V22T/37V36T)						N.
R483	1-249-421-11	CARBON	2.2K	5%	1/4W 22/29V22T/37V36T)	■ R531 /		METAL GLAZE		WIII Postano estano esta	W
R501	1-216-037-00	METAL GLAZE	330	(NV-27V 5%	1/10W	PI 9631		METAL GLAZE	(6395)	362742272942277294 1710	
R502		METAL GLAZE	3.3K	5%	1/10W			mene de E		(KV-34V	
R503	1-249-426-11	CARBON	5.6K	5%	1/4W F	<b>⊠</b> 9531 /		METAL GLAZE		710	W
									K-000-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	(KV-371	(361)
H304 &	1-215-915-11	METAL OXIDE	421	5%	all F ovskyskystyskti	R532		1 METAL GLAZE  1 METAL OXIDE	120 47K	0.50% 1/10W	<b>8</b> 551
R504 A	1-215-916-00	METAL OXIDE	889	5%	3W F	noo a		T HE IAL GALUE	wa	(EXCEPT KV-S7)	36T)
				(EXCEPT)	(V-34V36)(V37V36T)	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					6.744
R505	1-249-431-11	CARBON	15K	5%	1/4W	R533 /	1-215-678-0	O METAL OXIDE	33K	5% 1W F	
R506		METAL OXIDE	47	5%	1W F	Broc	4 040 404 0	0 METAL OLATE	APOV	(0/30)	
R507	1-249-401-11	CARBON	47	5%	1/4W	R535		0 METAL GLAZE 1 CARBON	150K 0.47	5% 1/10W	an a
R508	1-249-427-11	CARBON	6.8K	5%	1/4W	FIGURE II	2007200*1	. WELDON	WTI	(EXCEPT IO)-37V	3611
R509	1-247-750-11		680	5%	1/2W F	R536 /	1-216-397-1	1 METAL OXIDE	0.47	5% 3W	
R510 A	1-215-860-11	METAL OXIDE	33	5%	W F					(KV-37A	(361)
DE44 4	4 045 ppr ce	METAL OVICE	20	po-	MV E	R537 /	1-260-288-1	1 CARBON	0.47	5% 1/2W	
ron &	1-213-889-(A)	METAL OXIDE	66	0.76	ANT THE PROPERTY.	\$ 55.50	(	de Sanger de La Company		EXCEPTION:37)	Mari I

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION		<u>R</u>	<u>EMARK</u>	REF.NO.	PART NO.	DESCRIPTION		<u>re</u>	MARK
R537 A	1-216-470-00	METAL OXIDE	18	5%	3W	R1101	1-216-049-91	METAL GLAZE	1K	5%	1/10W
			•		(KV-37V36T)	R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R538	1-247-887-00	CARBON	220K	5%	1/4W	R1103	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R541	1-249-377-11	CARBON	0.47	5%	1/4W F	R1104	1-216-083-00	METAL GLAZE	27K	5%	1/10W
					(KV-37V36T)	R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
						R1106	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R542	1-249-397-11	CARBON	22	5%	1/4W F	R1107	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
					(KV-37V36T)						
R543	1-249-377-11	CARBON	0.47	5%	1/4W F	R1108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
						R1109	1-216-019-00	METAL GLAZE	56	5%	1/10W
R546	1-215-451-00	METAL	18K	1%	1/4W	R1110	1-216-019-00	METAL GLAZE	56	5%	1/10W
					(KV-37V36T)	R1111	1-216-019-00	METAL GLAZE	56	5%	1/10W
R546	1-215-453-00	METAL	22K	1%	1/4W	R1115	1-216-045-00	METAL GLAZE	680	5%	1/10W
					(KV-34V36K)						
R546	1-215-456-00	METAL	30K	1%	1/4W	R1117	1-249-425-11		4.7K	5%	1/4W
			(KV-27V22/29	V22T/29	V76T/29V36K)	R1118	1-249-425-11		4.7K	5%	1/4W
						R1120		METAL GLAZE	2.2K	5%	1/10W
R547	1-215-457-00	METAL	33K	1%	1/4W	R1121		METAL GLAZE	270	5%	1/10W
R548	1-215-872-11	METAL OXIDE	3.3K	5%	1W F	R1122	1-216-115-00	METAL GLAZE	560K	5%	1/10W
					(KV-37V36T)						
R549	1-215-437-00		4.7K	1%	1/4W	R1123		METAL GLAZE	390	5%	1/10W
R550 A			0.47	5%	1/4W F	R1125		METAL GLAZE	2.2K	5%	1/10W
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W F	R1126		METAL GLAZE	270	5%	1/10W
						R1127		METAL GLAZE	560K	5%	1/10W
R552		METAL GLAZE	6.8K	5%	1/10W	R1128		METAL GLAZE	390	5%	1/10W
R553 A	1-249-377-11		0.47	5%	1/4W F	R1130	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R554		METAL GLAZE	2.2K	5%	1/10W	Buner	4 040 005 04	CONDUCTOR CHIR	(0040)		
R561		METAL GLAZE	10K	5%	1/10W	R1255		CONDUCTOR, CHIP	(2012)	5%	1/10W
R563 ▲	1-216-391-00	METAL OXIDE	1.5	5%	1W F	R1258		METAL GLAZE	3.3K 100K	5%	1/10W
D504	4 040 000 44	CARRON	0.0	E0/	4 / 4\4\	R1259 R1260		METAL GLAZE METAL GLAZE	3.3K	5%	1/10W
R564	1-249-392-11	CARBON	8.2	5% waat/aa	1/4W V76T/29V36K)	R1294		METAL GLAZE	1K	5%	1/10W
R564	1-249-393-11	CARRON	10	5%	1/4W	111234	1-210-040-01	WILIAL GLALL	IIX	0 /0	1,1011
NJU4	1-243-030-11	CANDON	10		V36K/37V36T)	R1295	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R565 A	1_016_900_11	METAL OXIDE	470	5%	2W F	R1351	1-247-815-91		220	5%	1/4W
R566		METAL GLAZE	10K	5%	1/10W	R1352	1-247-815-91		220	5%	1/4W
	1-249-385-11		2.2	5%	1/4W F	R1353	1-247-815-91		220	5%	1/4W
11001 (2)	1 11/10 200 11	W. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		•	*****	R1354		METAL GLAZE	220	5%	1/10W
R568	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R569		METAL GLAZE	10K	5%	1/10W	R1355	1-216-025-91	METAL GLAZE	100	5%	1/10W
R570		METAL GLAZE	100K	5%	1/10W	R1356	1-216-025-91	METAL GLAZE	100	5%	1/10W
R571	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1357	1-216-025-91	METAL GLAZE	100	5%	1/10W
R572	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1358	1-247-807-31	CARBON	100	5%	1/4W
						R1359	1-21 <del>0</del> -025-91	METAL GLAZE	100	5%	1/10W
R573	1-216-097-91	METAL GLAZE	100K	5%	1/10W						
R574 ∆	1-216-365-00	METAL OXIDE	0.47	5%	2W F	R1360	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R575	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R1361		METAL GLAZE	4.7K	5%	1/10W
R576	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R1362		CONDUCTOR, CHIP	(2012)		
R577	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R1407		METAL GLAZE	10K	5%	1/10W
						R1408	1-249-429-11	CARBON	10K	5%	1/4W
R578		METAL GLAZE	1.2K		% 1/10W			0.0000	4014	<b>50</b> /	41011
R579		METAL GLAZE	330K		% 1/10W	R1409	1-249-429-11		10K	5%	1/4W
R580	1-249-441-11		100K	5%	1/4W	R1411		METAL GLAZE	10K	5%	1/10W
R1001	1-247-807-31		100	5%	1/4W	R1412		METAL GLAZE	68K	5%	1/10W
R1002	1-247-807-31		100	5%	1/4W	R1413		METAL GLAZE	47K 47K	5% 5%	1/10W 1/10W
R1005		METAL GLAZE	10K	5% 5%	1/10W	R1414		METAL GLAZE METAL GLAZE	4/K 100	5% 5%	1/10W 1/10W
R1006	1-210-033-00	METAL GLAZE	220	5%	1/10W	R1415 R1418		METAL GLAZE	68K	5% 5%	1/10W
					(KV-37V36T)	11410	1-210-083-00	WIL IAL GLAZE	001	J /0	17 1011



The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

		•						piece porta	nt le nume	ero s	pecifie.
REF.NO.	PART NO.	DESCRIPTION	N REMARK		REF.NO.	PART NO.	DESCRIPTION		R	<u>EMARK</u>	
R1419 R1420		METAL GLAZE METAL GLAZE	47K 47K	5% 5%	1/10W 1/10W	C605 ▲	1-136-346-21	RW .	CZZIF	20%	125V (KV-27V22)
R1421		METAL GLAZE	100	5%	1/10W	CODEA	1-117-494-11	ÈÈCT	. 500AF	20%	
R1424	1-247-807-31		100	5%	1/4W	C607 A	1-117-894-11		560MF	20%	250V
R1425	1-247-807-31				1/4W	C608	1-164-625-11		680PF	10%	500V
N1420	1-247-007-31	CARDUN	100	5%	1/444	0000	1-104-020-11	OLITAVIO	(KV-27V22/29V		
	OWITOU					C608	1-164-645-11	CEDAMIC	1000PF		500V
	SWITCH					U000	1-104-040-11	CENAIVIIC			
S501	1-572-707-11	SWITCH, LEVER									(36K/34V36K)
						C609	1-136-173-00		0.47 <b>MF</b>	5%	50V
	TRANSFOR	MER				C610	1-136-173-00		0.47MF	5%	50V
						C611	1-136-169-00		0.22MF	5%	50V
T501	1-437-210-11	TRANSFORMER, H	DRIZONTAL D	RIVE		C612	1-136-169-00	FILM	0.22MF	5%	50V
		TRANSFORMER, FE				C613	1-164-645-11	CERAMIC	1000PF	10%	500V
					TKV37V00T)	C614	1-164-645-11	CERAMIC	1000PF	10%	500V
T503 A	1-430-590-11	FET ASSY, NX-2609			* **** ********************************	C615	1-136-759-11	FILM	0.039MF	5%	630V
		FBT ASSY, NX-2609			١.	C617 A	1-113-003-11	CERÁMIC	0.001MF		250Y
T504		TRANSFORMER, FE			,	"""	, ` ` ` ` <b>`</b> **** ***	an select stammer.			PT KV-27V22)
1007	1-410-000-00	TIVITOI OTIMEN, TE	THUIL (DI I)	(1/4-01 A	0017	0817.A.	1-113-915-11	CERAMIC	0.001MF	20%	77
	THINED					MW4*, 100,	*************	AM SAMA	A-A-11111	#W KW	(KV-27V22)
	<u>TUNER</u>					C641	1-126-943-11	FLECT	2200MF	20%	25V
TEMAA 4	# #00 0#0 00	**************************************	14.45.4 BA1.696	ènes.		C642	1-126-767-11		1000MF	20%	16V
TU102 A	8-598-426-00	TUNER, FSS BTF-4 TUNER, FSS BTF-4	L401 (KY-291	DOKAN							
TU102 A	8-598-435-00	TUNER, F88 BTF-W	10404 (KV-29)	<b>1221123</b> )	76T/37V86T)	C643	1-107-641-11		220MF	20%	160V
						C646	1-126-933-11	ELECT	100MF	20%	16V
	CRYSTAL					C647	1-128-551-11	ELECT	22MF	20%	25V
						C648	1-126-933-11	ELECT	100MF	20%	16V
X001	1-578-774-11	VIBRATOR, CRYSTA	L			C651	1-137-366-11	FILM	0.0022MF	5%	50V
X353		OSCILLATOR, CRYS				Į.					
X354		OSCILALTOR, CERA				C652	1-106-351-00	MYLAR	0.0022MF		200V
		, , , , , , , , , , , , , , , , , , ,				C653	1-107-636-11	ELECT	10MF	20%	160V
						C654	1-164-625-11	CERAMIC	680PF	10%	500V
	7					C655	1-164-625-11	CERAMIC	680PF	10%	500V
( <del>-</del>	-					C656	1-164-625-11		680PF	10%	500V
<u> </u>	J								••••		••••
*	Δ-1316-306-	A G BOARD, COM	PI FTF /KV.	29V36k	(/34V36K)	C657	1-164-625-11	CERAMIC	680PF	10%	500V
*		·A G BOARD, COM				C661	1-126-963-11	ELECT	4.7MF	20%	
*		·A G BOARD, COM ·A G BOARD, COM			/254/01)						36K/34V36K)
*		·A G BOARD, COM ·A G BOARD, COM			1	C690	1-164-645-11	CERAMIC	1000PF		500V
	A-1010-000-	A G BOARD, CON	LTEIE (VA-	31 V30 I	1	C691	1-164-645-11		1000PF		500V
	4-382-854-11	SCREW (M3X10), P,	SW (+)						100011	1470	5551
							CONNECTO	<u>r</u>			
	CAPACITOR	<u>}</u> .				CNICO1 *	1 500 765 00	DIN CONNECTO	D /ENANA DITOI ()	an.	
						CNOUL	1-006-700-00	PIN, CONNECTO	• • • • • • • • • • • • • • • • • • • •		T 101 07100T
C601	1-130-711-00	FILM	.22MF	20%		Orions +	4 570 000 44	DIN CONTESTS	,		r KV-37V36T)
					(KV-37V36T)			PIN, CONNECTO	•	))	
C602	1-126-963-11	ELECT	4.7MF	20%	50V			PIN, CONNECTO	• •	_	
	** **	y p			KS/34V36K)			PIN, CONNECTO		T)	
C603 A	1-113-903-11	CERAMIC	0.001MF.	20%	250V	CN641 *	1-564-515-11	PLUG, CONNEC	TOR 12P		
			/29 <b>V</b> 76T/29X								
C603 A	1-113-915-11		0.001MF	20%	250V .		DIODE				
	. 4 486 BIO A	### ##	a and a second	* ** *	(Q-27V22)	D601	8.710.011.10	DIODE 1SS119-2	5		
COVEA:	1-136-346-21	* .	. 0.22MF			D601		DIODE 133119-2			
			V-27/22/20/			1					
C604 A	1-136-346-21		0.22MF		· S ·	D603		DIODE 188119-2			
	•	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(	KA-58K	<b>ya</b> k/34V36K)	D604	o-/19-911-19	DIODE 1SS119-2	5		

20% 125V

(EXCEPT KV-27V22)

C605 & 1-136-311-11 FILM

D605

8-719-911-19 DIODE 1SS119-25

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		<u>R</u>	EMARK	
D606	8-719-911-19	DIODE 1SS119-25		Q644	8-729-119-78	TRANSISTOR 2SC	2785-HFE			
D607		DIODE 1SS119-25		Q645		TRANSISTOR 2SA				
D608		DIODE 1SS119-25		Q646		TRANSISTOR 2SC27		EPT 29V3	36K/34V3	36K)
D609		DIODE 1SS119-25								,
D610		DIODE 188119-25			RESISTOR					
D010	0 710 011 10	DIODE 100110 20			ILLOIDIOI					
D615	8-719-028-45	DIODE D2L20U		R603 ∧	1-247-289-00	CARBON	8.2M	5%	1W	
D641		DIODE RBA-1004B					*******		9V36K/3	4V36K)
D643		DIODE D2L20U		R603 A	1-219-776-11	CARBON	2.2M		1/2W	
D644		DIODE D2L20U				W. W. M. W. W. W.		2T KV-2		4V36K)
D645		DIODE D2L20U		R605	1-247-893-11	CARBON	390K	5%	1/4W	7
5010	0 1 10 020 10	51002 52220		R606	1-247-893-11		390K	5%	1/4W	
D646	8-719-510-12	DIODE D10SC4M		R607 △	1-202-933-61		0.1		1/2W	F
D648		DIODE EZ0150AV1		11041 (1)	. 225 000 01		***	**,*	******	*
D649		DIODE D1NS4		RANG A	1,216,360,00	METAL OXIDE	1	5%	2W	F
D650		DIODE D1NS4		11000 79	1-210-000-00	MEINE VAIVE	•		9V36K/3	
D000	0-719-310-02	DIODE D'INGT		Deng A	1_216_272_11	METAL OXIDE	1.8	5%		F
	ELICE			11000 22	1-210-012-11	WPICE AVINE		7T KV-2		
	<u>FUSE</u>			R609	1-247-791-91	CARRON	22	5%	1/4W	MANA
EGO# ±	1.570 100 12	FUSE 6.3A/125V (KV-27\	PAGEORIPATION PROPERTY	R610	1-247-791-91		22	5% 5%	1/4W	
		FUSE 6.3A/250V (KV-29)		R611 &		METAL OXIDE	1	5%	2W	E
rwi a		*	•	I WII 12	1-210-000-00	MEINT OVINE			9V36K/3	
	1-000-220-11	HOLDER, FUSE (for F60	()					lva.v	TYJUTVJ	4400kỷ
	FERRITE BE	AD		Dett	1-216-372-11	METAL OYIDE	1.8	5%	2W	F
	FERRITE BE	<u>AU</u>		1101112	1.710.017.11	MIP I LOW AVIEW		7T KV-2		
FB601	1_410_307_21	FERRITE BEAD INDUCT	OR 1 111H	R612	1-247-887-00	CARRON	220K	5%	1/4W	xxmmå
FB602		FERRITE BEAD INDUCT		R613	1-247-887-00		220K	5%	1/4W	
FB641		FERRITE BEAD INDUCT		R614	1-247-887-00		220K	5%	1/4W	
FB642		FERRITE BEAD INDUCT		R615	1-247-887-00	-	220K	5%	1/4W	
FB643		FERRITE BEAD INDUCT		NOIS	1-241-001-00	OANDON	2201	J /0	1/7**	
FD043	1-410-097-21	LEUUITE DEND INDOO!	UN 1.1UH	R616	1-247-791-91	CARRON	22	5%	1/4W	
FB644	1 410 207 01	FERRITE BEAD INDUCT	00 1 1HU	R617	1-247-791-91		22	5%	1/4W	
FB645		FERRITE BEAD INDUCT		R622 ∧	1-247-751-51		10	5%	1/2W	C
FB646		FERRITE BEAD INDUCT		R623 A		WIREWOUND	3.9	5%	20W	ŧ.
-		FERRITE BEAD INDUCT		nozo a	1-243-002-11	MINCHOUND	3,3		2011 9V36K/3	n rocen
FB647				Dego a	4 005 040 44	WIREWOUND	1	(NY-2) 5%	20W	1490LÅ
FB648	1-410-397-21	FERRITE BEAD INDUCT	UK I.IUR	R623 ∆	1-200-340-11	MINEMOUND	-	278 27 TV-2		ADOLA
	10			R641	1-247-843-11	CARRON	3.3K	5%	1/4W	**JUTY
	<u>IC</u>			NO41	1-247-040-11	OANDON	0.01	3 /0	1/4**	
IC641	8-749-920-58	IC SI SUDUCA		R642	1-247-843-11	CARRON	3.3K	5%	1/4W	
1C642		IC NJM78M05FA		R643	1-249-387-11		3.3	5%	1/4W	E
IC643	8-749-012-13			R644 A		METAL OXIDE	22	5%	2W	
10043	0-749-012-13	IC DIVI-30		R645 A	1-260-304-51		10	5%	1/2W	ŧ
	COII			NO CA	1-200-004-01	OWNDON	10		9V36X/3	neen
	<u>COIL</u>			R647	1-249-417-11	CARRON	1K	5%	1/4W	**Wiy
L642	1-412-529-11	INDUCTOR 2	2UH	11047	1-2-101711	OAHDOH	ш	<b>3</b> /0	1/711	
L643	1-412-525-31		DUH	R648	1-247-887-00	CARRON	220K	5%	1/4W	
L043	1-412-323-31	וווטטטוטח	JOH	R649	1-247-007-00		4.7K		1/4W	E
	TDANGICTO	В		R652	1-249-421-11		2.2K	5%	1/4W	'
	TRANSISTO	<u>n</u>		R659	1-249-421-11		2.2K 10K	5% 5%	1/4W	
D601 ±	8_790_010_A0	TRANSISTOR 2SC4834	MND	11009	1-670-460-11	OAHDON	1011		9V36K/3	4V36K1
WOU!	0-172-019-49		mint V22/29V22T/29V76T/37V36T)	R661	1-249-413-11	CARRON	470	5%	1/4W	•
∩en1 ±	2.790.M0.En	TRANSISTOR 28C4834	*	HOU	1"473"410"11	OUIDON	UIF	J /0	1/788	•
		TRANSISTOR 2SC4834	•	R662	1-249-429-11	CARRON	10K	5%	1/4W	
ALUVE ED	V-120-010-40		W22/29V22T/29V76T/37V36T)		1-249-377-11		0.47		1/4W	F
O800 +	8,720,010,60	TRANSISTOR 2SC4834			1-249-377-11		0.47	5%	1/4W	
www.	V-1E0-010-00	TOPYOGE TO ECONOM	in fire franchisations	1	1-249-377-11		0.47	5%	1/4W	
				11000	I STANGER	Per at AMATE	WITE	¥ /V	82 T T T	•



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION		REMARK
HOO!	1-249-377-11			By VW F
Dece i	1-249-377-11			REC JAN
4 . A. M.	1-249-377-11	ACTION OF THE PARTY OF THE PART	0.47	5% 1/4W F
HOTI &	1-249-377-11	# . m. i. d. i. m	0.47	5% 1/4W F
file.	1249077-11	:Olekok	: W.	SK VAN F
R678	1-247-863-91			5% 1/4W
			(EXC	CEPT KV-29V36K/34V36K)
R679	1-247-863-91	CARBON	22K	5% 1/4W
				CEPT KV-29V36K/34V36K)
R680	1-249-429-11	CARBON		5% 1/4W
			•	CEPT KV-29V36K/34V36K)
R681	1-249-407-11	CARBON		5% 1/4W
			(EXC	CEPT KV-29V36K/34V36K)
	RELAY			
moi à	1-785-018-11	PELAY		3 3 30 4 7 7 3 3 4 4 7 7 4 3 4 7 7 7 8 3 6 7 7 7 8 3 6 7 7 7 8 3 6 7 7 7 8 3 6 7 7 7 8 3 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8
	TRANSFOR	RMER		
<b>MANUAL</b>		TRAKSEORMER L	ivie en tes	
1007	1-426-717-41	TRANSFORMER, L	NEFILIER	

I HERMISTOR		

1805 : 1427-864-11 TRANSFORMER CONVERTER P 1805 : 1429-415-11 TRANSFORMER CONVERTER P



## **VARISTOR**

VDR601 1-810-974-21 VARISTOR

**REMARK** 



REF.NO. PART NO.

- \* A-1331-549-A C BOARD, MOUNTED (EXCEPT KV-37V36T) \* A-1331-522-A C BOARD, MOUNTED (KV-37V36T)
  - 4-382-854-11 SCREW (M3X10), P, SW (+)

DESCRIPTION

## **CAPACITOR**

C1765	1-102-116-00 CERAMIC	680PF	10%	50V
C1766	1-102-117-00 CERAMIC	820PF	10%	50V
C1767	1-102-116-00 CERAMIC	680PF	10%	50V
C1775	1-102-116-00 CERAMIC	680PF	10%	50V
C1776	1-102-117-00 CERAMIC	820PF	10%	50V
C1777	1-102-116-00 CERAMIC	680PF	10%	50V
C1785	1-102-116-00 CERAMIC	680PF	10%	50V
C1786	1-102-117-00 CERAMIC	820PF	10%	50V
C1787	1-102-116-00 CERAMIC	680PF	10%	50V
C1790	1-102-129-00 CERAMIC	0.01MF	10%	50V
C1791	1-126-933-11 ELECT	100MF	20%	16V
C1793	1-107-651-11 ELECT	4.7MF	20%	250V
C1795	1-102-074-00 CERAMIC	0.001MF	10%	50V
C1797	1-106-375-12 MYLAR	0.022MF		200V
C1798	1-106-375-12 MYLAR	0.022MF		200V
C1799	1-162-114-00 CERAMIC	0.0047MF		2KV

## CONNECTOR

CN1761\* 1-564-509-11 PLUG, CONNECTOR 6P

CN1762\* 1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P (KV-37V36T)

CN1764\* 1-564-507-11 PLUG, CONNECTOR 4P

CN1765 1-695-915-11 TAB (CONTACT) (EXCEPT KV-37V36T)

CN1766 1-695-915-11 TAB (CONTACT)

# DIODE

D1761	8-719-991-33	DIODE 1SS133T-77	
D1762	8-719-991-33	DIODE 1SS133T-77	
D1763	8-719-991-33	DIODE 1SS133T-77	
D1771	8-719-991-33	DIODE 1SS133T-77	
D1772	8-719-991-33	DIODE 1SS133T-77	
D1773	8-719-991-33	DIODE 1SS133T-77	
D1781	8-719-991-33	DIODE 1SS133T-77	
D1782	8-719-991-33	DIODE 1SS133T-77	
D1783	8-719-991-33	DIODE 1SS133T-77	
D1790	8-719-991-33	DIODE 1SS133T-77	
D1792	8-719-983-14	DIODE MTZJ-T-77-3.9	

# <u>JACK</u>



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ∆ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



						3	
REF.NO.	PART NO.	DESCRIPTION		RI	<u>emark</u>		REF.NO.
	<u>COIL</u>						R1798
L1790	1-410-667-31	INDUCTOR	22UH				R1799
	TRANSISTO	<u>DR</u>					RV1791
Q1761 Q1762		TRANSISTOR 2SC2					W
Q1762 Q1763		TRANSISTOR 2SA1					• •
Q1771	8-729-119-78	TRANSISTOR 2SC2	785-HFE				
Q1772	8-729-326-11	TRANSISTOR 2SC2	2611				
Q1773 Q1781		TRANSISTOR 2SA1					
Q1782		TRANSISTOR 2SC2					
Q1783		TRANSISTOR 2SA1					
Q1790		TRANSISTOR 2SA1					C941
4							C944
	RESISTOR						C945 C946
							C949
R1760	1-260-105-11		3.3K	5%	1/2W		0040
	1-247-807-31		100	5%	1/4W	_	C950
R1763	1-249-409-11		220	5%	1/4W		C951
H1765	1-249-411-11	METAL OXIDE	<b>8.2K</b> 330	<b>5%</b> 5%	3W 1/4W	F	C952
N1/00	1-249-411-11	CANDUN	330	370	1/444		C953
R1766	1-249-393-11	CARBON	10	5%	1/4W		C954
R1767	1-249-429-11		10K	5%	1/4W		
R1768	1-249-411-11		330	5%	1/4W		C955
R1770	1-260-105-11	CARBON	3.3K	5%	1/2W		C956 C957
R1771	1-247-807-31	CARBON	100	5%	1/4W		C957
							C950
R1773	1-249-409-11		220	5%	1/4W		
		METAL OXIDE	8.2K	5%		F	C962
	1-249-407-11		150	5%	1/4W		C965
R1776 R1777	1-249-393-11 1-249-429-11		10 10K	5% 5%	1/4W 1/4W	;	C966
ni///	1-243-423-11	CANBON	ION	370	1/444		C967
R1780	1-260-105-11	CARBON	3.3K	5%	1/2W		C968
R1781	1-247-807-31	*	100	5%	1/4W		0000
R1783	1-249-409-11	CARBON	220	5%	1/4W	F	C969 C981
R1784 A	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	C983
R1785	1-249-407-11	CARBON	150	5%	1/4W		0903
R1786	1-249-393-11	CARBON	10	5%	1/4W		
R1787	1-249-429-11	CARBON	10K	5%	1/4W		CN941
R1789	1-249-437-11	• · · · · · · · · · · · · · · · · · · ·	47K	5%	1/4W		CN941 *
R1792	1-247-815-91		220	5%	1/4W		CN981 *
R1793	1-247-863-91	CARBON	22K	5%	1/4W		
R1794	1-249-417-11		1K	5%	1/4W		
R1795	1-260-087-11		100	5%	1/2W		D941
R1796 A	1-216-365-00	METAL OXIDE	AT	6%			D946
D1700 ×	1,910,074.00	METAL OXIDE	2.7	5%	(KV-37 2W	VOOI) F	D947
nirwa	UPPICOLA":	meint vaive	a.i	(EXCEP		*	D961
				fame a year.	« 278.A%	* ## * <del>\</del>	D962

100K

R1797 1-260-123-11 CARBON

5% 1/2W

REF.NO.	PART NO.	DESCRIPTION		Ri	<u>MARK</u>
R1798	1-260-133-11	CARBON	680K	5%	1/2W (KV-37V36T)
R1799	1-260-123-11	CARBON	100K	5%	1/2W
RV1791	1-230-641-11	RES, ADJ, METAL GL	AZE 2	2.2M	(KV-37V36T) (KV-37V36T)



# A-1372-211-A WA BOARD, MOUNTED (KV-37V36T)

4-382-854-11 SCREW (M3X10), P, SW (+)

# **CAPACITOR**

C941	1-126-935-11	ELECT	470MF	20%	16V
C944	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C945	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C946	1-126-933-11	ELECT	100MF	20%	16V
C949	1-161-830-00	CERAMIC	0.0047MF		500V
C950	1-126-933-11	ELECT	100MF	20%	16V
C951	1-107-638-11	ELECT	33MF	20%	160V
C952	1-104-999-11	MYLAR	0.1MF	10%	200V
C953	1-106-383-00	MYLAR	0.047MF	10%	200V
C954	1-137-364-11	FILM	0.001MF	5%	50V
C955	1-107-667-11	ELECT	2.2MF	20%	160V
C956	1-137-364-11	FILM	0.001MF	5%	50V
C957	1-106-383-00	MYLAR	0.047MF	10%	200V
C958	1-126-933-11	ELECT	100MF	20%	16V
C961	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C962	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C965	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C966	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C967	1-129-718-00	FILM	0.022MF	5%	630V
C968	1-137-579-11	FILM	0.068MF	5%	100V
C969	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C981	1-126-941-11	ELECT	470MF	20%	25V
C983	1-137-366-11	FILM	0.0022MF	5%	50V

# **CONNECTOR**

1-770-723-11 CONNECTOR, BOARD TO BOARD 8P

1-564-506-11 PLUG, CONNECTOR 3P

# **DIODE**

D941	8-719-991-33 DIODE 1SS133T-77
D946	8-719-110-88 DIODE RD39ESB2
D947	8-719-110-88 DIODE RD39ESB2
D961	8-719-109-89 DIODE RD5.6ESB2
D962	8-719-991-33 DIODE 1SS133T-77WB
D064	8-710-302-43 DIODE EL17



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque & sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION		RE	<u>emark</u>
	<u>IC</u>				
IC961 IC981	8-759-700-07 8-759-603-37	IC NJM2903M IC M5216P			
	COIL				
L942 L962 L963	1-406-989-21	METAL OXIDE COIL, CHOKE 10MMI COIL, CHOKE 4.7MM		5%	1W F
	TRANSISTO	<u>R</u>			
Q943 Q944 Q945 Q946	8-729-422-27 8-729-422-27	TRANSISTOR 2SD60' TRANSISTOR 2SD60' TRANSISTOR 2SD60' TRANSISTOR 2SA183	1A-Q 1A-Q		
Q947 Q962 Q963 Q965 Q966 Q981	8-729-931-45 8-729-216-22 8-729-422-27 8-729-216-22	TRANSISTOR 2SC479 TRANSISTOR IRF614 TRANSISTOR 2SA116 TRANSISTOR 2SD600 TRANSISTOR 2SA116 TRANSISTOR 2SD600	62-G 1A-Q 62-G		
	RESISTOR				
R943 R948 R949 R950 R951	1-216-049-91 1-216-049-91 1-216-049-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R952 R953 R954 R955 R956	1-216-021-00 1-216-033-00 1-216-047-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CONDUCTOR, CHIP	330 68 220 820 (2012)	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R957 R958 R959 R960 R961	1-216-295-91 1-216-021-00 1-216-689-11	METAL GLAZE CONDUCTOR, CHIP METAL GLAZE METAL GLAZE METAL GLAZE	10K (2012) 68 39K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R962 R963 R964 R965 R966	1-216-097-91 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 100K 10K 10K 10K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R967 R968 R969 R970 R971	1-216-083-00 1-216-295-91	METAL GLAZE METAL GLAZE CONDUCTOR, CHIP METAL GLAZE CARBON	4.7K 27K (2012) 220 680K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W
R972 R973 R974	1-216-121-91	METAL GLAZE METAL GLAZE METAL GLAZE	10K 1M 10K	5% 5% 5%	1/10W 1/10W 1/10W

REF.NO.	PART NO.	DESCRIPTION		RI	MARK
R975 ∆		METAL OXIDE	18	5%	2W F
R976 A		METAL OXIDE	27	5%	1W F
R979		METAL GLAZE	47	5%	1/10W
R981		METAL GLAZE	22K	5%	1/10W
R982	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R983	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R984	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R987	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R988	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R989	1-216-304-11	METAL GLAZE	3.3	5%	1/10W
R992	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1941	1-260-311-11	CARBON	39	5%	1/2W
R1942	1-249-384-11	CARBON	1.8	5%	1/4W F
R1943	1-249-414-11	CARBON	560	5%	1/4W F
R1944	1-249-432-11	CARBON	18K	5%	1/4W
R1945	1-216-476-11	METAL OXIDE	180	5%	3W F
R1946	1-249-417-11	CARBON	1K	5%	1/4W F
R1947	1-249-432-11	CARBON	18K	5%	1/4W
R1948	1-249-414-11	CARBON	560	5%	1/4W
R1949	1-249-384-11	CARBON	1.8	5%	1/4W F
R1950	1-249-400-11	CARBON	39	5%	1/4W F



# A-1372-225-A WB BOARD, MOUNTED

(KV-29V76T/29V36K/34V36K)

4-382-854-11 SCREW (M3X10), P, SW (+)

# **CAPACITOR**

C2941 C2944 C2946 C2949 C2950		CERAMIC CHIP ELECT CERAMIC	470MF 0.01MF 100MF 0.0047MF 100MF	20% 10% 20% 20%	16V 50V 16V 500V 16V
C2951 C2952 C2953 C2954 C2955	1-107-638-11 1-104-999-11 1-106-383-00 1-137-364-11 1-107-667-11	,MYLAR MYLAR FILM	33MF 0.1MF 0.047MF 0.001MF 2.2MF	20% 10% 10% 5% 20%	160V 200V 200V 50V 160V
C2956 C2957 C2958 C2975	1-137-364-11 1-106-383-00 1-126-933-11 1-163-001-11	MYLAR	0.001MF 0.047MF 100MF 220PF	5% 10% 20% 10%	50V 200V 16V 50V

# **CONNECTOR**

CN2941\* 1-564-508-11 PLUG, CONNECTOR 5P

The components identified by shading and mark ∆ are critical for safety.

Les composants identifies per un trame et une marque ∆ sont critiques pour la securite. Ne les remplacer que par une prices portant le numero specifie piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION		<u>RI</u>	<u>EMARK</u>
D2941 D2946 D2947	8-719-110-88	DIODE 1SS133T-77 DIODE RD39ESB2 DIODE RD39ESB2			
	COIL				
L2942	1-215-863-11	METAL OXIDE	100	5%	1W F
	TRANSISTO	<u>R</u>			
Q2943 Q2944 Q2945 Q2946 Q2947	8-729-422-27 8-729-422-27 8-729-017-05	TRANSISTOR 2SD60 TRANSISTOR 2SD60 TRANSISTOR 2SD60 TRANSISTOR 2SA18 TRANSISTOR 2SC47	1A-Q 1A-Q 37		
Q2965 Q2966		TRANSISTOR 2SD60' TRANSISTOR 2SA110	-		
	RESISTOR				
R2943 R2948 R2949 R2950 R2951	1-216-049-91 1-216-049-91 1-216-049-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R2952 R2953 R2954 R2955 R2956	1-216-021-00 1-216-033-00 1-216-047-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CONDUCTOR, CHIP	330 68 220 820 (2012)	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R2957 R2958 R2959 R2979 R4941	1-216-295-91 1-216-021-00	METAL GLAZE CONDUCTOR, CHIP METAL GLAZE METAL GLAZE CARBON	10K (2012) 68 47 39	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/2W
R4942 R4943 R4944 R4945 R4946	1-249-384-11 1-249-414-11 1-249-432-11 1-216-476-11 1-249-417-11	CARBON CARBON METAL OXIDE	1.8 560 18K 180 1K	5% 5% 5% 5% 5%	1/4W F 1/4W F 1/4W 3W F 1/4W F
R4947 R4948 R4949 R4950	1-249-432-11 1-249-414-11 1-249-384-11 1-249-400-11	CARBON CARBON	18K 560 1.8 39	5% 5% 5% 5%	1/4W 1/4W 1/4W F 1/4W F

WB	HS	HV
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REF.NO. PART NO. **DESCRIPTION REMARK** 



A-1372-326-A HS BOARD, MOUNTED (KV-34V36K/37V36T)

## **CAPACITOR**

C2168	1-104-665-11 ELECT	100MF	20%	25V
C2169	1-126-959-11 ELECT	0.47MF	20%	50V

# CONNECTOR

CN2101 1-564-524-11 PLUG, CONNECTOR 9P CN2102 1-564-523-11 PLUG, CONNECTOR 8P



- A-1372-337-A HV BOARD, MOUNTED (KV-27V22/29V22T)
- A-1372-346-A HV BOARD, MOUNTED (KV-29V36K/29V76T)
- A-1372-330-A HV BOARD, MOUNTED (KV-34V36K/37V36T)

## **CAPACITOR**

C2068	1-104-665-11	ELECT	100MF	20%	25V
C2070	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C2071	1-126-959-11	ELECT	0.47MF	20%	50V
				(KV-29V	36K/29V76T)
C2231	1-163-031-11	CERAMIC CHIP	0.01MF		50V
				(KV-37V	36T/34V36K)
C2232	1-136-161-00	FILM	0.047MF	5%	50V
				(KV-37V	36T/34V36K)
C2233	1-136-161-00	FILM	0.047MF	5%	50V
C2234	1-126-960-11	ELECT	1MF	20%	50V
C2235	1-126-960-11	ELECT	1MF	20%	50V
C2236	1-126-933-11	ELECT	100MF	20%	16V

### CONNECTOR

CN2001 1-564-524-11 PLUG, CONNECTOR 9P

(KV-27V22/29V22T/29V36K/29V76T)

CN2002\* 1-564-518-11 PLUG, CONNECTOR 3P

(KV-29V36K/29V76T/37V36T/34V36K)

CN2231 1-564-523-11 PLUG, CONNECTOR 8P

(KV-27V22/29V22T/29V36K/29V76T)

# **DIODE**

D2006	1-810-039-11	LED UNIT	
D2231	8-719-110-17	DIODE RD10ESB2	(KV-34V36K/37V36T)
D2232	8-719-110-17	DIODE RD10ESB2	(KV-34V36K/37V36T)

8-719-110-17 DIODE RD10ESB2 (KV-34V36K/37V36T) D2233

8-719-110-17 DIODE RD10ESB2 D2236

# <u>IC</u>

IC2003 8-742-014-11 HYB IC SBX1981-51 IC2004 8-749-012-12 IC IS474



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

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NO. PART NO. DESCRIPTION REMARK

**JACK** 

J2231 1-691-110-11 JACK, PIN 3P

J2232 1-694-063-11 TERMINAL, S (KV-34V36K/37V36T)

**TRANSISTOR** 

Q2008 8-729-216-22 TRANSISTOR 2SA1162-G Q2009 8-729-422-27 TRANSISTOR 2SD601A-Q

**RESISTOR** 

R2009	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2010	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2011	1-216-025-91 METAL GLAZE	100	5%	1/10W
R2012	1-216-089-91 METAL GLAZE	47K	5%	1/10W
R2013	1-216-105-91 METAL GLAZE	220K	5%	1/10W
R2014	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2015	1-247-807-31 CARBON	100	5%	1/4W
R2016	1-216-133-00 METAL GLAZE	3.3M	5%	1/10W
R2059	1-216-047-91 METAL GLAZE	820	5%	1/10W
	•		(KV-27	V22/29V22T)
R2060	1-216-049-91 METAL GLAZE	1K	5%	1/10W
			(KV-27	V22/29V22T)
R2061	1-216-055-00 METAL GLAZE	1.8K	5%	1/10W
			(KV-27	V22/29V22T)
R2062	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
			(KV-27	V22/29V22T)
R2063	1-216-073-00 METAL GLAZE	10K	5%	1/10W
			(KV-27	V22/29V22T)
R2231	1-216-022-00 METAL GLAZE	75	5%	1/10W
			(KV-34V	36K/37V36T)
R2232	1-216-022-00 METAL GLAZE	75	5%	1/10W
			(KV-34V	36K/37V36T)
R2233	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
			(KV-34V	36K/37V36T)
R2235	1-216-022-00 METAL GLAZE	75	5%	1/10W
R2236	1-216-113-00 METAL GLAZE	470K	5%	1/10W
R2237	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
R2238	1-216-113-00 METAL GLAZE	470K	5%	1/10W
R2239	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W

# **SWITCH**

S2001	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2002	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2003	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2004	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2005	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2006	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)
S2007	1-692-431-21	SWITCH, TACTILE (KV-27V22/29V22T)

REF.NO. PART NO. DESCRIPTION REMARK



A-1380-518-A K BOARD, COMPLETE

(KV-29V36K/29V76T/34V36K)

4-382-854-11 SCREW (M3X10), P, SW (+)

## **CAPACITOR**

C1462	1-126-961-11	ELECT	2.2MF	20%	50V
C1463	1-126-961-11	ELECT	2.2MF	20%	50V
C1464	1-126-969-11	ELECT	220MF	20%	50V
C1465	1-104-664-11	ELECT	47MF	20%	25V
C1466	1-126-969-11	ELECT	220MF	20%	50V
C1467	1-126-961-11	ELECT	2.2MF	20%	50V
C1469	1-136-173-00	FILM	0.47MF	5%	50V
C1470	1-136-169-00	FILM	0.22MF	5%	50V
C1471	1-136-169-00	FILM	0.22MF	5%	50V
C1472	1-128-548-11	ELECT	4700MF	20%	25V
C1473	1-126-943-11	ELECT	2200MF	20%	25V
C1474	1-126-943-11	ELECT	2200MF	20%	25V
C1475	1-128-548-11	ELECT	4700MF	20%	25V
C1476	1-124-564-11	ELECT	4700MF	20%	25V

## **CONNECTOR**

CN1461\* 1-564-510-11 PLUG, CONNECTOR 7P CN1462\* 1-564-507-11 PLUG, CONNECTOR 4P

## DIODE

D1461 8-719-991-33 DIODE 1SS133T-77

<u>IC</u>

IC1461 8-759-980-43 IC TDA2009A

# **IC LINK**



# **TRANSISTOR**

Q1461 8-729-422-27 TRANSISTOR 2SD601A-Q Q1462 8-729-216-22 TRANSISTOR 2SA1162-G

# **RESISTOR**

R1461	1-216-065-00 METAL GLAZE	4.7K	5% 1/10W
R1462	1-216-089-91 METAL GLAZE	47K	5% 1/10W
R1463	1-249-435-11 CARBON	33K	5% 1/4W
R1464	1-208-775-11 METAL GLAZE	510	0.50% 1/10W
R1465	1-216-011-00 METAL GLAZE	27	5% 1/10W

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



<u>ref.no.</u>	PART NO.	DESCRIPTION		RE	MARK	
R1467	1-216-011-00	METAL GLAZE	27	5%	1/10W	
R1468	1-208-775-11	METAL GLAZE	510	0.50%	1/10W	
R1469	1-216-011-00	METAL GLAZE	27	5%	1/10W	
R1471	1-216-011-00	METAL GLAZE	27	5%	1/10W	
R1472	1-249-418-11	CARBON	1.2K	5%	1/4W F	
R1473	1-249-413-11	CARBON	470	5%	1/4W	
R1474	1-249-441-11	CARBON	100K	5%	1/4W	
R1475	1-249-430-11	CARBON	12K	5%	1/4W	
R1476	1-249-430-11	CARBON	12K	5%	1/4W	
R1477	1-249-385-11	CARBON	2.2	5%	1/4W F	
R1478	1-249-418-11	CARBON	1.2K	5%	1/4W F	
R1479	1-249-385-11	CARBON	2.2	5%	1/4W F	
R1480	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1481	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1482	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1483	1-249-421-11	CARBON	2.2K	5%	1/4W	
C	00					



A-1390-585-A SC BOARD, MOUNTED (KV-29V36K/29V76T/34V36K/37V36T)

# **CONNECTOR**

CN104 1-573-978-21 CONNECTOR, BOARD TO BOARD 11P CN105 1-573-978-21 CONNECTOR, BOARD TO BOARD 11P



- \* A-1394-846-A UV BOARD, COMPLETE (KV-34V36K)
- \* A-1394-847-A UV BOARD, COMPLETE (KV-37V36T)
- \* A-1394-856-A UV BOARD, COMPLETE (KV-27V22/29V22T)
- \* A-1394-859-A UV BOARD, COMPLETE (KV-29V36K/29V76T)

# CAPACITOR

C151	1-126-960-11	ELECT	1MF	20%	50V
C152	1-126-960-11	ELECT	1MF	20%	50V
C153	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C154	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C156	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C157	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C158	1-163-034-00	CERAMIC CHIP	.0330MF		50V
C159	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C160	1-126-959-11	ELECT	0.47MF	20%	50V
C161	1-126-960-11	ELECT	1MF	20%	50V
C162	1-126-960-11	ELECT	1MF	20%	50V
C163	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C164	1-165-319-11	CERAMIC CHIP	0.1MF		50V

REF.NO.	PART NO.	DESCRIPTION			RE	MARK
C165	1-165-319-11	CERAMIC CHIP	0	.1MF		50V
C166		CERAMIC CHIP		.1MF		50V
C167				00MF	20%	
C168				OMF	20%	
C170		CERAMIC CHIP		80PF	5%	
0110	1 100 120 00	OLI II IIII O OI III	•	0011	<b>U</b> //U	001
C231	1-163-031-11	CERAMIC CHIP	0	.01MF		50V
C232				.047MF	5%	
C233				.047MF		
	1-126-960-11				20%	
C235	1-126-960-11		-	MF	20%	
			·			
C236	1-136-161-00	FILM	0.	.047MF	5%	50V
						V22/29V22T)
C237	1-126-960-11	ELECT	1	MF	20%	50V
				(EXCEP	T KV-27	V22/29V22T)
C238	1-126-960-11	ELECT	1	MÈ	20%	50V
				(EXCEP		V22/29V22T)
C241	1-126-941-11	ELECT	4	70MF		•
C242	1-126-959-11	ELECT	0.	.47MF	20%	50V
C244	1-126-959-11	ELECT	0.	.47MF	20%	50V
C245	1-126-941-11	ELECT		70MF	20%	
					/22T/27	V22/37V36T)
C246	1-126-959-11	ELECT		.47MF		•
			(EXCE	PT KV-29\	/22T/27	V22/37V36T)
C247	1-126-959-11	ELECT	0.	.47MF	20%	50V
			(EXCE	PT KV-29\	/22T/27	V22/37V36T)
C261	1-136-161-00	FILM	0.	.047MF	5%	50V
				(EXCEP	T KV-27	V22/29V22T)
C262	1-104-664-11			7MF		
C263	1-136-161-00			.047MF		
C264	1-126-941-11	ELECT	4	70MF		
				•		V22/29V22T)
C264	1-126-933-11	ELECT	1	OOMF	20%	
						22/29V22T)
C265	1-104-664-11	ELECT	4	7MF	20%	
0005	4 407 704 44	EL FOT				V22/29V22T)
C265	1-107-701-11	ELEGI	4	7MF	20%	
					(KV-27	V22/29V22T)
C266	1-126-960-11	ELECT	1	MF	20%	50V
G200	1-120-900-11	ELECT	- 1			V22/29V22T)
C267	1-126-960-11	ELECT	4	MF	20%	
0201	1-120-300-11	LLLOI				V22/29V22T)
C270	1-126-960-11	ELECT	1	MF	20%	
C271	1-126-960-11			MF	20%	
C273	1-136-165-00			.1MF	5%	
OLIO	1 100 100 00	1150	U.		0 /0	001
C274	1-163-031-11	CERAMIC CHIP	0.	.01MF		50V
C275	1-104-664-11			7MF	20%	25V
C276		CERAMIC CHIP		00PF	5%	
C301	1-126-935-11			70MF	20%	
			•			V22/29V22T)
C301	1-126-933-11	ELECT	10	00MF	20%	•
		•	•	•		V22/29V22T)
C302	1-126-935-11	ELECT	4	70MF	20%	
				(	KV-34V	36K/37V36T)
_				•		,



Note: The components identified by shading and mark ∆ are critical for safety.

Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	<u>DESCRIPTION</u>	REMARK	<u>ref.no.</u>	PART NO.	DESCRIPTION		RI	EMARK		
	FILTER BLO			J234 J235	1-774-746-11 JACK BLOCK, PIN 3P (KV-27V22/29V22T) 1-750-517-11 JACK BLOCK, PIN 3P (KV-29V36K/29V76T/34V36K) 1-764-143-11 JACK 3P (EXCEPT KV-27V22/29V22T)						
	1-467-554-21	FILTER BLOCK, COMB ( FILTER BLOCK, COMB (	KV-29V36K/29V76T)	J902 J903	1-764-143-11	JACK 3P (EXCEPT K	V-27V22/29	V22T)			
CM302	1-467-656-11	FILTER BLOCK, COMB (	KV-34V36K/37V36T)	J904	1-764-143-11	JACK 3P (EXCEPT K	V-27V22/29	9V22T)			
	CONNECTO	<u>R</u>			CHIP COND	UCTOR					
CN261	1-573-979-21	CONNECTOR, BOARD T	O BOARD 11P (EXCEPT KV-27V22/29V22T)	JR151 JR152		CONDUCTOR, CHIP	(2012) (2012)				
CN262	1-573-301-21	CONNECTOR, BOARD T		JR201		CONDUCTOR, CHIP	(2012)				
			(EXCEPT KV-27V22/29V22T)	JR204		CONDUCTOR, CHIP	(2012)				
CN264	1-573-979-21	CONNECTOR, BOARD T	O BOARD 11P	JR205	1-216-295-91	CONDUCTOR, CHIP	(2012)				
	DIODE			JR206		CONDUCTOR, CHIP	(2012)				
D004	D 710 110 17	DIODE DOTOCODO		JR208 JR209		CONDUCTOR, CHIP	(2012) (2012)				
D231 D232		DIODE RD10ESB2 DIODE RD10ESB2		JR210		CONDUCTOR, CHIP	(2012)				
D232	•	DIODE RD10ESB2		JR211		CONDUCTOR, CHIP					
D234		DIODE RD10ESB2		011211	1 210 200 01	00112001011, 01111	(=0)				
D235		DIODE RD10ESB2		JR212	1-216-295-91	CONDUCTOR, CHIP	(2012)				
				JR213	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D236	8-719-110-17	DIODE RD10ESB2		JR214	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D237	8-719-981-99	DIODE MTZJ-3.3		JR215		CONDUCTOR, CHIP	(2012)				
D238		DIODE MTZJ-3.3		JR216	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D239		DIODE MTZJ-3.3 (KV-29									
D240	8-719-110-17	DIODE RD10ESB2 (EXC	EPT KV-27V22/29V22T)	JR217		CONDUCTOR, CHIP	(2012)				
DOM	0 740 440 47	DIODE DO40EODO (EVO)	-DT 101 071 100 (00) (00T)	JR218		CONDUCTOR, CHIP	(2012)				
D241 D242		DIODE RD10ESB2 (EXCI		JR219 JR220		CONDUCTOR, CHIP	(2012)				
D242 D243		DIODE RD10ESB2 (EXCI DIODE RD10ESB2	TI NV-21 V22129 V221)	JR220 JR221		CONDUCTOR, CHIP	(2012) (2012)				
D243 D244		DIODE RD10ESB2		JR222		CONDUCTOR, CHIP					
D245		DIODE MTZJ-3.3 (KV-29)	/76T/29V36K/34V36K)	V	. 2.0 200 01	33.1233.14, 3.1.11	(20.2)				
22.0		2.02220 0.0 ( 20	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	JR223	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D246	8-719-981-99	DIODE MTZJ-3.3 KV-29\	76T/29V36K/34V36K)	JR226	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D264	8-719-110-17	DIODE RD10ESB2	·	JR228	1-216-295-91	CONDUCTOR, CHIP	(2012)				
D265		DIODE RD10ESB2		JR233	1-216-295-91	CONDUCTOR CHIP	(2012) (K	V-27V22	/29V22T)		
D902	8-719-921-54	DIODE MTZJ-6.2B (EXC	EPT KV-27V22/29V22T)		JUMPER W	IRF					
	<u>IC</u>										
				JW226	1-249-389-11		4.7	5%	1/4W		
IC151		IC NJM2902M		JW280	1-249-85-11	CARBON	2.2	5%	1/4W		
IC152 IC153		IC-NJM2902M IC UPC4558G2			TDANGISTO	D.					
IC153	•	IC CD4052BCN			TRANSISTO	<u>'n</u>					
IC261		IC MM1311AD (KV-27V2	2/29V22T)	Q231	8-729-422-27	TRANSISTOR 2SD60	1A-Q				
IC261		IC MM1313AD (EXCEPT		Q232		TRANSISTOR 2SD60	1A-Q	V76T/20\	136K (34V)36K)		
	<u>JACK</u>			Q233	8-729-422-27	TRANSISTOR 2SD60	-	+101/23	/36K/34V36K)		
	UMON			Q234		TRANSISTOR 2SD60					
J231	1-750-515-11	TERMINAL BLOCK, S 3F	•	Q235	-	TRANSISTOR 2SD60					
J232 J233	1-750-517-11	JACK BLOCK, PIN 3P (E	XCEPT KV-27V22/29V22T) XCEPT KV-27V22/29V22T)					V76T/29\	/36K/34V36K)		
J233		JACK BLOCK, PIN 2P (K	-	Q236	8-729-422-27	TRANSISTOR 2SD60	1A-Q				
J234			XCEPT KV-27V22/29V22T)				(KV-29	V76T/29\	/36K/34V36K)		
				Q237 8-729-216-22 TRANSISTOR 2SA1162-G							
				Q238	8-729-216-22	TRANSISTOR 2SA11	62-G				

Note: The components identified by shading Note: Les composants identifies per un trame et and mark  $\Delta$  are critical for safety. and mark ∆ are critical for safety. Replace only with part number specified.

securite. Ne les remplacer que par une piece portant le numero specifie.



REF.N	O. PART NO.	DESCRIPTION		RI	<u>EMARK</u>	REF.NO.	PART NO.	DESCRIPTION		RE	MARK
Q239	8_720_216_2	2 TRANSISTOR 2SA	1162-G			R186	1-216-089-91	METAL GLAZE	47K	5%	1/10W
Q240		2 TRANSISTOR 2SA				R187		METAL GLAZE	120K	5%	1/10W
QZ40	0-123-210-2	Z TRANSISTOR ZSA		N/76T/20\	/36K/34V36K)	R188		METAL GLAZE	100K	5%	1/10W
0044	0.700.046.0	O TOANGICTOD OCA	•	W/01/291	130N34V30N)	R189		METAL GLAZE	100K	5%	1/10W
Q241	0-729-210-2	2 TRANSISTOR 2SA		170T/001	10017 10 47 10017	R190		METAL GLAZE	22K	5%	1/10W
0040	0.700.040.0	0 TD411010TOD 004	•	W/61/29\	/36K/34V36K)	11130	1-210-001-00	WILLIAL GLAZE	2211	J /0	1/1044
Q242	8-729-216-2	2 TRANSISTOR 2SA		· /=o= /oo	10017 10 11 10010	R191	1_216_020_01	METAL GLAZE	47K	5%	1/10W
				W/61/29\	/36K/34V36K)	R192		METAL GLAZE	3.9K	5%	1/10W
Q243	8-729-216-2	2 TRANSISTOR 2SA	1162-G			R192		METAL GLAZE	12K	5%	1/10W
						R194		METAL GLAZE	12K 120K	5% 5%	1/10W
Q261	8-729-422-2	7 TRANSISTOR 2SD									
				EPT KV-2	7V22/29V22T)	R195	1-210-097-91	METAL GLAZE	100K	5%	1/10W
Q262		7 TRANSISTOR 2SD				Dane	1 010 000 01	METAL OLAZE	471/	E0/	4 /4 0\4/
Q263		2 TRANSISTOR 2SA				R196		METAL GLAZE	47K	5%	1/10W
Q265	8-729-216-2	2 TRANSISTOR 2SA	1162-G			R197		METAL GLAZE	100K	5%	1/10W
						R198		METAL GLAZE	22K	5%	1/10W
	RESISTOR					R199		METAL GLAZE	47K	5%	1/10W
						R200	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R151	1-216-085-0	0 METAL GLAZE	33K	5%	1/10W						
R152	1-216-075-0	0 METAL GLAZE	12K	5%	1/10W	R201		METAL GLAZE	4.7K	5%	1/10W
R153	1-216-073-0	0 METAL GLAZE	10K	5%	1/10W	R202		METAL GLAZE	1K	5%	1/10W
R154	1-216-085-0	0 METAL GLAZE	33K	5%	1/10W	R203		METAL GLAZE	6.8K	5%	1/10W
R155	1-216-075-0	0 METAL GLAZE	12K	5%	1/10W	R204		METAL GLAZE	6.8K	5%	1/10W
						R206	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R156	1-216-073-0	0 METAL GLAZE	10K	5%	1/10W				(KV-29V7	6T/29V	/36K/34V36K)
R157	1-216-079-0	0 METAL GLAZE	18K	5%	1/10W						
R158	1-216-073-0	0 METAL GLAZE	10K	5%	1/10W	R207	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R159	1-216-073-0	0 METAL GLAZE	10K	5%	1/10W		•		(KV-29V7	6T/29V	/36K/34V36K)
R160	1-216-079-0	0 METAL GLAZE	18K	5%	1/10W	R208	1-216-049-91	METAL GLAZE	1K	5%	1/10W
									(KV-29V7	6T/29V	/36K/34V36K)
R161	1-216-073-0	0 METAL GLAZE	10K	5%	1/10W	R209	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R162		0 METAL GLAZE	10K	5%	1/10W				(KV-29V7	6T/29V	/36K/34V36K)
R163		0 METAL GLAZE	10K	5%	1/10W	R210	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R164		0 METAL GLAZE	4.7K	5%	1/10W				(KV-29V7	6T/29V	/36K/34V36K)
R165		0 METAL GLAZE	10K	5%	1/10W	R212	1-249-440-11	CARBON	82K	5%	1/4W
11100	1 210 010 0	O WILLIAE GENEE	1010	0 /0	171011						
R166	1_216_0/0_0	1 METAL GLAZE	1K	5%	1/10W	R213	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R167		0 METAL GLAZE	4.7K	5%	1/10W	R214	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R168		0 METAL GLAZE	15K	5%	1/10W	R215	1-249-413-11	CARBON	470	5%	1/4W
R169		0 METAL GLAZE	120K	5%	1/10W	R216		METAL GLAZE	100	5%	1/10W
R170		1 METAL GLAZE	1K	5%	1/10W	R217		METAL GLAZE	100	5%	1/10W
niiu	1-210-043-3	I WEIAL GLAZE	II	370	1/1044		. 2.0 020 21			• / •	
D474	1 016 040 0	4 METAL CLAZE	11/	E0/	1/10/4/	R218	1-216-025-91	METAL GLAZE	100	5%	1/10W
R171		1 METAL GLAZE	1K	5%	1/10W	R219		METAL GLAZE	4.7K	5%	1/10W
R172		0 METAL GLAZE	2.2K	5%	1/10W	11210	1 210 800 00	MEINE OFFEE			/36K/34V36K)
R173		0 METAL GLAZE	4.7K	5%	1/10W	R220	1_216_065_00	METAL GLAZE	4.7K		1/10W
R174		0 METAL GLAZE	22K	5%	1/10W	11220	1-210-000-00	MICIAL GLAZE			/36K/34V36K)
R175	1-216-081-0	0 METAL GLAZE	22K	5%	1/10W	R221	1-249-413-11	CARRON	470		1/4W
B. 150			0014	=0/	4.4.0141	11221	1-243-410-11	OANDON			/36K/34V36K)
R176		0 METAL GLAZE	22K	5%	1/10W	R222	1 016 005 01	METAL GLAZE	100		1/10W
R177		1 METAL GLAZE	1K	5%	1/10W	nzzz	1-210-020-91	WE IAL GLAZE			/36K/34V36K)
R178		0 METAL GLAZE	4.7K	5%	1/10W				(NV-2941	01/294	SON/S4VSON)
R179		0 METAL GLAZE	4.7K	5%	1/10W	Bana	1 016 005 04	METAL CLAZE	100	E0/	1/10W
R180	1-216-099-0	0 METAL GLAZE	120K	5%	1/10W	R223	1-210-020-91	METAL GLAZE	100		
						B004	4 040 005 04	METAL OLAZE	•		/36K/34V36K)
R181		1 METAL GLAZE	1K	5%	1/10W	R224	1-210-025-91	METAL GLAZE	100		1/10W
R183		0 METAL GLAZE	22K	5%	1/10W	B005	4 047 047 04	OADDON'	•		/36K/34V36K)
R184		0 METAL GLAZE	22K	5%	1/10W	R225	1-247-815-91		220	5%	1/4W
R185	1-216-081-0	0 METAL GLAZE	22K	5%	1/10W	R226	1-247-815-91	CAKRON	220	5%	1/4W



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R227	1-249-440-11	CARBON	82K	5%	1/4W	R271	1-249-415-11	CARRON	680	5%	1/4W
R228	1-216-033-00	METAL GLAZE	220	5%	1/10W	"	1 240 410 11	O/IIIDON	000	0,0	., .,,
R229		METAL GLAZE	100	5%	1/10W	R272	1-249-417-11	CADRON	1K	5%	1/4W
R230		METAL GLAZE	220	5%	1/10W	R274	1-249-417-11		470	5%	1/4W
R231		METAL GLAZE	75	5%	1/10W						
ILOI	1-210-022-00	MEINE GENEE	,,	0 /0	171011	R275	1-249-425-11	CARBON	4.7K	5%	1/4W
Dogo	1 016 000 00	METAL GLAZE	75	5%	1/10W						V22/29V22T)
R232			75			R276	1-249-425-11	CARBON	4.7K	5%	1/4W
R233		METAL GLAZE	4.7K	5%	1/10W				(EXCEP	KV-2	7V22/29V22T)
R234		METAL GLAZE	75	5%	1/10W	R277	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R235	1-216-113-00	METAL GLAZE	470K	5%	1/10W						
R236	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R278	1-249-413-11	CARBON	470	5%	1/4W
									(KV-29V3	6K/29\	76T/34V36K)
R237	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R279	1-216-025-91	METAL GLAZE	100	5%	1/10W
R238	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R280		METAL GLAZE	220	5%	1/10W
R239	1-216-022-00	METAL GLAZE	75	5%	1/10W	R281		METAL GLAZE	220	5%	1/10W
					7V22/29V22T)	nzoi	1-210-000-00	WE IAL GLAZE			
R240	1_016_112_00	METAL GLAZE	470K	5%	1/10W				•		V22/29V22T)
NZ40	1-210-110-00	WILLIAL GLAZE			7V22/29V22T)	R282	1-216-025-91	METAL GLAZE	100	5%	1/10W
D044	4 040 005 00	METAL OLAZE	•		•						
R241	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R283	1-216-025-91	METAL GLAZE	100	5%	1/10W
			(EXCE	PT KV-2	:7V22/29V22T)	R284	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
						R285	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R242	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R286	1-216-049-91	METAL GLAZE	1K	5%	1/10W
	•		(EXCE	PT KV-2	7V22/29V22T)	R288	1-247-815-91		220	5%	1/4W
R243	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	11200	1 241 010 01	O/ II IDON		0 /0	17 111
					7V22/29V22T)	R289	1-247-815-91	CARRON	220	5%	1/4W
R244	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R290	1-247-815-91		220	5%	1/4W
R245	1-249-417-11		1K	5%	1/4W	1					
R246		METAL GLAZE	470K	5%	1/10W	R291	1-216-025-91	METAL GLAZE	100	5%	1/10W
11270	1-210-110-00	MILIAL GEAGE	71010	J /0	1/1044				•		V22/29V22T)
D047	4 040 447 44	OADDON.	417	<b>=</b> 0/	4 (4)4(	R292	1-216-025-91	METAL GLAZE	100	5%	1/10W
R247	1-249-417-11		1K	5%	1/4W					(KV-27	V22/29V22T)
R248		METAL GLAZE	68	5%	1/10W	R293	1-216-025-91	METAL GLAZE	100	5%	1/10W
R249		METAL GLAZE	470K	5%	1/10W				(EXCEPT	KV-27	V22/29V22T)
R250	1-216-113-00	METAL GLAZE	470K	5%	1/10W	ļ					
R251	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
						R301	1-249-417-11		1K	5%	1/4W
R252	1-216-019-00	METAL GLAZE	56	5%	1/10W	R304	1-249-417-11		1K	5%	1/4W
			(KV-29\	/76T/29	V36K/34V36K)	R902	1-249-405-11		100	5%	1/4W F
R253	1-216-113-00	METAL GLAZE	470K		1/10W	11302	1-240-400-11	CALIBOIT			V22/29V22T)
					V36K/34V36K)	DOLO	1 010 005 01	CONDUCTOR CHIR		11.4-21	422/234221)
R254	1_216_113_00	METAL GLAZE	470K		1/10W	R919	1-210-290-91	CONDUCTOR, CHIP	(2012)	- 10 / 0-	T (00 (00) (00T)
I IZOT	1-210-110-00	MEIAL GLAZE			V36K/34V36K)				(EXCEP	KV-2	V22/29V22T)
DOSE	1 010 110 00	METAL OLATE	•		•						
R255	1-210-113-00	METAL GLAZE	470K		1/10W	R920	1-249-405-11	CARBON	100		1/4W F
			•		V36K/34V36K)				(EXCEP	KV-27	V22/29V22T)
R256	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	R921	1-249-405-11	CARBON	100	5%	1/4W F
									(EXCEP	KV-27	V22/29V22T)
R258	1-216-069-00	METAL GLAZE	6.8K		1/10W	R922	1-216-049-91	METAL GLAZE	1K		1/10W
			(KV-29\	/76T/29	V36K/34V36K)				(EXCEP		V22/29V22T)
R259	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R923	1-216-049-91	METAL GLAZE	1K		1/10W
R260	1-247-807-31	CARBON	100	5%	1/4W	11020	1 210 010 01	WEIGHT OF THE			V22/29V22T)
R264	1-247-815-91	CARBON	220	5%	1/4W	R924	1 216 040 01	METAL GLAZE	1K		1/10W
R265	1-247-815-91		220	5%	1/4W	N324	1-410-043-31	WIL IAL GLACE			
R266		METAL GLAZE	560	5%	1/10W	500-	4 045 400 00	A4F-TA1	•		V22/29V22T)
11200	1-210-040-31	IVIL IAL VLALE				R925	1-215-433-00	MEIAL	3.3K		1/4W
D007	4 040 447 44	CADDON	•		7V22/29V22T)				•		V22/29V22T)
R267	1-249-415-11	CARBON	680 5% 1/4W			R926	1-215-433-00	METAL	3.3K 1% 1/4W		
			•		7V22/29V22T)				(EXCEP	KV-27	V22/29V22T)
R268		METAL GLAZE	100	5%	1/10W	R1151	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R269		METAL GLAZE	100	5%	1/10W	R1152	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R270	1-216-041-00	METAL GLAZE	470	5%	1/10W	R1153		METAL GLAZE	47K	5%	1/10W
								<b></b>			

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RE	<u>F.NO.</u>	PART NO.	DESCRIPTION		RE	<u>MARK</u>	REF.N	<u>0.</u>	PART NO.	DESCRIPTION	REMARK
			METAL GLAZE	1K	5%	1/10W		,	ACCESSOF	RIES AND PACKING MA	TERIALS
			METAL GLAZE	47K	5%	1/10W	ŀ	-			<u> </u>
	•		METAL GLAZE	10K	5%	1/10W	3	-859-	519-23	MANUAL, INSTRUCTION	N (KV-27V22)
			METAL GLAZE	10K	5%	1/10W	3	-860-	705-61	MANUAL, INSTRUCTION	N (KV-29V36K/34V36K)
Rī	158	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W					
ъ.	450	4 040 005 00	METAL OLATE	4.71/	F0/	4 (4 0) 14	* 4	-041-	259-01	BAG, PROTECTION (KV	-34V36K)
			METAL GLAZE	4.7K	5%	1/10W			255-01	BAG, PROTECTION (KV	-27V22/29V22T/29V76T)
			CONDUCTOR, CHIP	(2012)			* 4	-049-	757-11	BAG, PROTECTION	
			METAL GLAZE	(2012) 1K	5%	1/10W	l				V22/29V22T/29V76T/29V36K)
			METAL GLAZE	1K	5%	1/10W	1		558-01	BAG, PROTECTION (KV	
111	100	1-210-043-31	WIL TAL GLAZE	IIX	J /0	1/1044	* 4	-049-	758-11	BAG, PROTECTION (KV	-34V36K)
R1	166	1-216-049-91	METAL GLAZE	1K	5%	1/10W					
R1	167	1-216-049-91	METAL GLAZE	1K	5%	1/10W	* 4	.05/_(	067-01	CUSHION (UPPER) (ASS	SA) (RA)*341/38RJ
R1	168	1-216-049-91	METAL GLAZE	1K	5%	1/10W			277-01	CUSHION (UPPER) (ASS	
							1		059-01	CUSHION (UPPER) (ASS	
			<b>MISCELLANEOUS</b>	Ì			ľ	•			v22/29V22T/29V76T/29V36K)
							* 4	-054-0	070-01	CUSHION (LOWER) (AS	
Δ		-474-11	COIL DEMAGNETIC						278-01	CUSHION (LOWER) (AS	
۵		-881-11	COIL, DEMAGNETIC				* 4	-054-0	062-01	CUSHION (LOWER) (AS	
۵		-899-11	COIL DEMAGNETIC	*		/29V76T)				` (KV-27'	v22/29V22T/29V76T/29V36K)
Å	1-406	-726-81	COIL DEMAGNETIC	(KV-29V36	K)						
4	4 420	-509-41	NECK ASSY, CRIT (N	A MON MAN	nninav	mmen	1		065-01	INDIVIDUAL CARTON (K	
٨		-579-21	NECK ASSY, CRT (N				1		066-01	INDIVIDUAL CARTON (K	
43		-549-11	SWITCH BLOCK, CO		TOTTOUN				073-01	INDIVIDUAL CARTON (K	·
	1-410	-010-11			V76T/34\	/36K/37V36T)			276-01	INDIVIDUAL CARTON (K	•
			(1.0	.01001020	*101/01	100140710017	1 ^ 4	-054-	107-01	INDIVIDUAL CARTON (K	(V-29V36K)
*	1-551	-382-31	CABLE, P-P (KV-29V	36K/29V76	6T/37V36	iT)					
*	1-557	-056-31	CABLE, P-P (KV-29V	36K/29V76	6T/34V36	K/37V36T)	İ			REMOTE COMMAND	FR
*		-945-21	CABLE, P-P (KV-34V				ĺ			TEMOTE COMMAND	<u>(Bel I</u>
٨	1-775	-468-21	CORD POWER (WIT	H CONNE	•		1.	473-	748-31	REMOTE COMMANDER	(RM-Y135A)
			***			/36K/34V36K)					(KV-27V22/29V22T)
٨	1-751	-059-11	CORD POWER (WIT				1.	473-	750-41	REMOTE COMMANDER	(RM-Y137A)
			(KV	-27V22/29	V221/29	/76T/37V36T)					(KV-29V76T/37V36T)
	4 700	074.44	DI IIO E DIN //01.07	100100100	т.		1.	-475-(	)69-21	REMOTE COMMANDER	(RM-Y149A)
à		-374-11 <b>-275-42</b>	PLUG, F-PIN (KV-27)  DEFLECTION YOKE	122129122	ij		1				(KV-29V36K/34V36K)
<b>6</b> 3	O-401	*210* <del>*</del> 2		_071/00/00	WOOT/OU	/76T/29V36K)	4	-978-9	977-01	LID, BATTERY COVER (f	or RM-Y135A/Y137A/Y149A)
A	8.451	-482-21	DEFLECTION YOKE			i i vi/zotovnj	ł				
ELL A		-480-11	DEFLECTION YOKE	<u> </u>	*		1				
*		-905-01	V5/6 BRACKET	4.22 Ax 240	•••		İ				
				29V76T/29	V36K/34\	/36K/37V36T)	į				
	8-598	-414-00	SWITCH, ANTENNA A	S-2F		•					
			(KV-2	29V76T/29	V36K/34\	/36K/37V36T)					
	A ****	- W. J. W. W. W. W. W. W. W. W. W. W. W. W. W.	**************************************	****	jywe a	AXXIIA					
Δ		-745-05	CRT 34FXD2 (M80J)		-	4V36K)	ł				
۵	5-/33	-848-05	CRT 29PXD (SD-268			met maneus	1				
À	8.792	-760-05	CRT (KV-STV36T)	-e1 126169	* & & ! ! Z.Ø	/76T/29V36K)					
en A		-207-11	TRANSFORMER AS	SY, FLYRAI	CK INX-3	609//X4C)					
ftg	4spl.	क्राक्य <b>र ∓</b> हे	~ * # # # # # # # # # # # # # # # # # #	xg x 3m t 645°€		T KV-37V36T)					
٨	1-453	-126-11	TRANSFORMER AS	SY, FLYBA	•	•	•				
				«	. *	(KV-97V36T)					